ACCOUNTABILITY 2.0

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MASTER OF EDUCATION

LETHBRIDGE, ALBERTA

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Single Course Project

AccountAbility 2.0

Submitted By:

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Master Teacher Program
University of Lethbridge,
June, 1989
For my father
Thanks are extended to the School Trustees, Administrators, and Secretaries of Yellowhead School Division No. 12. Without the continued support, this project would not be finished.

Thanks are extended to Dr. M. Fisher, University of Lethbridge, for his continued assistance.
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Section One - Introduction
In response to a request by Mr. Klaus Puhlmann, Superintendent of Schools, Yellowhead School Division No. 12, I developed the enclosed accounting package for system-wide use and for credit on my Master Teacher program at the University of Lethbridge.

Purchasing and Accounting - Operational Considerations in Yellowhead School Division No. 12

1. On authority of the school principal, purchase orders are initiated at the school level and forwarded to vendors. On receipt of goods, the school principal approves invoices for payment and invoices are forwarded to the central office accounting staff for payment.

2. All schools were implementing a manual synoptic journal to track expenditures by program area.

   Examples: Administration, Art, Business Education

   Each school in Yellowhead had a different set of budget areas to reflect the uniqueness of grade levels and program offering.

3. Yellowhead School Division is required to track expenditures in accordance with accounts defined by Alberta Education.

   Examples: Services Contracted or Purchased, Textbooks, Supplies

   An IBM System 34 minicomputer accounting system is maintained at the division central office. Invoices, approved for payment, are posted to Alberta Education accounts and monthly reports are forwarded to school administrators.

Past Practices and Agreed Limitations

1. The monthly central office report provided little useful information to a school administrator wanting financial information by program area. This report was dated and did not reflect new encumbrances initiated by the school.

2. A sequence of first recording purchase order transactions and subsequent updating of invoice values to program areas required a significant allocation of secretarial time. Projected department balances were difficult to obtain and the values were not always valid.
New Directions:

On evaluation of the effectiveness of the accounting systems implemented at both levels, it was decided to purchase or develop a microcomputer-based accounting model to reduce secretarial time and to provide easily obtainable budget summaries and reports.

The new system would meet the present organization needs without a major change to purchasing and accounting procedures. Schools would be able to track purchase orders and invoices to user-defined budget areas and account summaries would be provided in real time. Alberta Education account summaries were required at the school level to provide a reconciliation report to the monthly central office report.

Two schools previously piloted a microcomputer spreadsheet model for accounting, but reports were difficult to obtain, and the manipulation of a large worksheet was cumbersome. As a result, spreadsheets were rejected for system-wide adoption. Commercial accounting software packages were reviewed, but rejected for the lack of encumbrance processing, or for cost considerations.

On completion of Management Arts 3760, Topical Issues in Data Base Management, I offered to develop a program under a dBASE III Plus environment. This process allowed the development of a package to reflect the exact requirements in Yellowhead School Division.

1987-88 Development and Implementation

During the first three weeks in August, 1987, program specifications were completed and I wrote the first version of the program.

Four schools in Yellowhead had an installed office computer system and agreed to pilot the new program. During September and October, a number of program updates were completed to fix errors (primarily centering on error trapping). By January, 1988, six additional schools purchased office computers out of school capital funds and began using the accounting program.

In March, 1988, the division budget was approved, detailing the installation of an office microcomputer in the remaining Yellowhead schools and system-wide implementation began in September, 1988.

1988-89 Coding Update

After field testing the program for 18 months, the secretaries requested a significant rewrite to the data entry portion of the program to reduce data entry times, a tick-off option to assist central office reconciliation, a utilities section for forwarding to a new fiscal year, and a new routine for budget area calculations to reduce data processing times.
These revisions were completed in February, 1989 and distributed to schools along with an update from dBASE III Plus to dBASE IV.

This procedure, for updating code, allowed user input into design and significantly increased user ownership of the software. As a result, we have tentatively agreed to collect requested revisions and release a new update of this code approximately every 18 months. To assist in future program support and modification, our System 34 programmer is now training under the dBASE IV programming language and is expected to complete revisions and inservice under guidance. As our users are becoming more sophisticated, we plan to develop a record editor to allow direct access to the files. Our long range plans include inservice on, and use of the ASSIST program in dBASE.

Past inservice was provided on division inservice days and on-site support is regularly provided as requested. Technical assistance is provided by telephone support and the secretaries have developed an informal support telephone mechanism among themselves.

dBASE III Plus to dBASE IV Upgrade

dBASE was selected as the coding environment as it is the data base standard in the MSDOS world. Many courses are available to our staff on this software and this is an important consideration as staff changes.

The upgrade was purchased to ensure that our PC's are using the latest versions and that our applications are running in the most efficient manner. The dBASE IV upgrade allows the source code to be compiled, reducing data processing and input times.

School Level Apprehensions and Impressions

Most schools immediately abandoned their manual accounting systems, but two schools continued to maintain their manual books for a two-year period. As the administrators and secretaries in these schools were novices to computer use, they did not fully trust the new system, especially when the program intermittently crashed within the first few months. We now have 100 per cent adoption for the 1989-90 school year without manual books.

In our mid-sized primary schools, there was mixed reaction to the details provided by this accounting system. In these environments, it was discovered that they did not budget to program area and this was the real reason for the negative comments regarding automation. They now account by program areas.

Many of our administrators in our larger schools have stated that the success of this application alone has justified the cost of the hardware and software.
Hardware/Software Configuration - By School

Parkland Composite (10 - 12): IBM AT, 640K, 30 MB hard drive, Okidata 2410P printer, dBASE IV

Jubilee Junior (7 - 9): IBM AT, 640K, 30 MB hard drive, Panasonic 1595 printer, dBASE IV

Pine Grove (4 - 6): Laser 286 AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV

Westhaven (K - 6): Laser 286 AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV

Evergreen (K - 3): Laser 286 AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV

A. H. Dakin (K - 3): Commodore PC40 AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV

Harry Collinge (8 - 12): Laser 286 AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV

Mountain View (K - 7): IBM AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV

Crescent Valley (K - 7): IBM AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV

Roche Miette (4 - 6): Commodore PC40 AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV

Fulham (K - 6): Laser 286 AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV

Peers (K - 6): Laser 286 AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV

Niton Central (K - 12): Commodore PC40 AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV

Wildwood (K - 9): Commodore PC40 AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV

Grand Trunk (8 - 12): Commodore PC40 AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV

Evansview (K - 7): Laser 286 AT, 640K, 40 MB hard drive, Panasonic 1595 printer, dBASE IV
Spin Off - Other dBASE Code Development and Implementation

Based on our success with local coding of the encumbrance application, I completed a system-wide capital inventory/aging program in February, 1989. This program tracks capital inventory by school and location. Schools are now responsible for record maintenance and a compiled division data base is developed twice yearly for capital replacement calculations and for external audit purposes.

During June, 1989, I am completing an instructional materials fees assessment package to issue invoices, receipts, and past due notices. This program will access required student mailing information from our Columbia Students Records module and will provide a central data base for division-wide assessment of accounts in arrears.

Other Administration Applications

Our PCs were initially purchased for tracking school encumbrances, but the following application packages are used on a regular basis:

- Word Processing - WordPerfect 4.2
- Records Management - Columbia School System and Elementary School System (attendance, academic progress, student records)
- Electronic Mail - Procomm 2.4.2 and Chairman BBS

Classroom Integration

Through the use of the Developers' Edition of dBASE IV, I have managed to legally integrate a run time version of this code as a mini unit in my Accounting 30 classes. Topics center on differentiating between the need requirements of financial accounting (debit/credit) and managerial encumbrance tracking to budget areas in public non-profit organizations.

Rationale for Program

My rationale for program enrollment was to develop a broader background in MSDOS application software for business education integration. Through the development of Lotus 1-2-3 (1A) for Students, WordPerfect 4.2 for Students, and Accountability (Encumbrance Coding in dBASE IV), I feel I have met my personal objectives.

Respectfully Submitted,

John E. Percevault
Computer Program Coordinator
Yellowhead School Division No. 12

file = section one - project
Section Two -

Technical Reference Documentation
Select **Accounts** from the Myshell main menu. The following menu appears:

**Accountability - Main Menu 2.0**

1 - Data Entry - PO / Invoice / Close  
2 - Journal Listings (PO, Invoice)  
3 - S_NO Balances (Account, All)  
4 - Reconciliation - Tick Off POs  
5 - Create / Edit Distributions  
6 - Utilities: Backup/Set up/Install/Restore  
7 - Quit

Select 7
1 - Data Entry - PO / Invoice / Close

Create

Vendor Date
Open

PO_NO

On File

PO

Append Rec.
Edit Rec.
Delete Rec.
Print PO

INV

Append Rec.
Edit Rec.
Delete Rec.
Print PO/INV.
Close/Confirm — Print PO/INV.

Close/Confirm —
delete profile records, retain poclose record

Close

Void/Confirm
ReOpen/Confirm
Print PO / INV.
POCLOSE.DBF (cloindex.ndx, closeind.ndx)

<table>
<thead>
<tr>
<th>Record#</th>
<th>PO_NO</th>
<th>Vendor</th>
<th>Date</th>
<th>Close</th>
<th>Tick_Off</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>620910</td>
<td>IBM</td>
<td>09/01/87</td>
<td>O</td>
<td>N</td>
</tr>
</tbody>
</table>

(The operator must manually determine when the PO is closed. If the PO is open, all PO values are used to project ending budget balances. If the PO is closed, all invoice values are used to project ending budget balances.)

POFILE.DBF (poindex.ndx, pos_no.ndx, poy_no.ndx)

<table>
<thead>
<tr>
<th>Record#</th>
<th>PO_NO</th>
<th>Description</th>
<th>S_NO</th>
<th>Y_NO</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>620910</td>
<td>Laser Printer</td>
<td>2</td>
<td>65610</td>
<td>5500.00</td>
</tr>
<tr>
<td>2</td>
<td>620910</td>
<td>Toner</td>
<td>1</td>
<td>65315</td>
<td>165.00</td>
</tr>
</tbody>
</table>

INVFILE.DBF (invindex.ndx, invs_no.ndx, invy_no.ndx)

<table>
<thead>
<tr>
<th>Record#</th>
<th>PO_NO</th>
<th>INV_NO</th>
<th>INV_DATE</th>
<th>Description</th>
<th>S_NO</th>
<th>Y_NO</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>620910</td>
<td>I2346</td>
<td>09/22/87</td>
<td>Laser Printer</td>
<td>2</td>
<td>65610</td>
<td>5535.00</td>
</tr>
<tr>
<td>2</td>
<td>620915</td>
<td>456C12</td>
<td>09/23/87</td>
<td>Art Supplies</td>
<td>2</td>
<td>65315</td>
<td>210.00</td>
</tr>
<tr>
<td>3</td>
<td>620910</td>
<td>I2579</td>
<td>09/29/87</td>
<td>Toner</td>
<td>1</td>
<td>65315</td>
<td>173.00</td>
</tr>
<tr>
<td>4</td>
<td>620910</td>
<td>W345</td>
<td>09/30/87</td>
<td>Freight</td>
<td>2</td>
<td>65410</td>
<td>35.00</td>
</tr>
</tbody>
</table>

(the above records simulate three invoices to PO.NO 620910; two from the original vendor and one from the shipping company)
2 - Journal Listings (PO, Invoice)

- P0s
  - Indexed
    - S_NO
    - Y_NO
    - All
    - Ticked
    - Not
  - Status
    - Open
    - Closed
    - Void
    - All

- Invoices
  - PO_NO
  - Open POs
  - Closed POs
  - S_NO
  - Y_NO
  - All
  - Ticked
  - Not

- Combined
  - PO_NO
  - S_NO
  - Y_NO

- P0s
  - Indexed
    - S_NO
    - Y_NO
    - All
    - Ticked
    - Not
  - Status
    - Open
    - Closed
    - Void
    - All

- Invoices
  - PO_NO
  - Open POs
  - Closed POs
  - S_NO
  - Y_NO
  - All
  - Ticked
  - Not

(The American date format is used for date ranges: MM/DD/YY)
3 - S_NO Balances (Account, All)

- Screen Summary
  - S_NO
  - Print Screen
  - Print All Account Activity
    - Open POs
    - Invoices
    - Budget Balance

- Requested Accounts
  - Directly to Printer
  - Open POs
  - Invoices
  - Budget Balance
  - (min. 3 pages per S_NO)

- Summary
  - Screen
  - Printer

- All
  - Directly to Printer
  - Open POs
  - Invoices
  - Budget Balance
  - (min. 3 pages per S_NO)

S_NO_REQ.DBF (mdx tag S_NO) (work file for required accounts)

<table>
<thead>
<tr>
<th>Record#</th>
<th>S_NO</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Entry character 20
char 2

SUMFILE.DBF (work file - no .ndx or .mdx)

<table>
<thead>
<tr>
<th>S_NO</th>
<th>Desc</th>
<th>Allocation</th>
<th>POTotal</th>
<th>INVTotal</th>
<th>Commitment</th>
<th>Balance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>numeric</td>
<td>numeric</td>
<td>numeric</td>
<td>numeric</td>
<td>numeric</td>
</tr>
<tr>
<td>3</td>
<td>20</td>
<td>12.2</td>
<td>12.2</td>
<td>12.2</td>
<td>12.2</td>
<td>12.2</td>
</tr>
</tbody>
</table>

4 - Reconciliation - Tick Off POs

- PO_NO
  - Yes to Tick Off
  - No

(Complete after reconciliation with central office report.)
5 - Create / Edit Distributions

- Create
  - Description
  - Amount

- Edit
  - Description
  - Amount

- Delete
  - Allowed only if there is no PO and/or invoice data defined to S_NO.

- Budget
  - Display All
  - Print All

- YSD
  - Display All
  - Print All

**BUDGET.DBF** *(budindex.ndx)*

<table>
<thead>
<tr>
<th>Record#</th>
<th>S_NO</th>
<th>Description</th>
<th>Allocate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Administration</td>
<td>4500.00</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>Business Ed.</td>
<td>5500.00</td>
</tr>
</tbody>
</table>

sys def data entry
data entry
data entry
char 2         character 20          numeric 12.2

**YSDFILE.DBF** *(ysdindex.ndx)*

<table>
<thead>
<tr>
<th>Record#</th>
<th>Y_NO</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>65610</td>
<td>Services</td>
</tr>
</tbody>
</table>

sys def data entry
data entry
char 2         character 20
6 - Utilities: Backup/Set up/Install/Restore

- **(B)ackup current year**
- **(S)et up new fiscal year**
- **(I)nstall program updates**
- **(R)estore required fiscal year**

**Backup:** Place a recently formatted disk, WITHOUT previous files in drive A. Press ENTER to continue.

(If you do not reformat the disk, dBASE will prompt to overwrite all files individually. Press the letter 0 to overwrite.)

**Set up:** You must complete a current backup before access is allowed. This option deletes all purchase order and invoice data, but your school accounts/budgets and Yellowhead accounts remain. Edit the school and Yellowhead accounts as required for the new year.

**Install:** Place the update program disk in drive A. Press ENTER to continue.

Four files are not updated by this process: CAPMENU.PRG, CAPMENU.DBO, UTILITY.PRG, and UTILITY.DBO. If updating these files, exit to DOS and copy the required files to the dBASE directory.

**Restore:** You must complete a current backup before access is allowed. Place the required fiscal year backup in drive A. Press ENTER to continue.

7 - Quit
Directory Listings:

**Data Base Files:**

| INVFILE.DBF | YSDFILE.DBF | ALLPO.DBF |
| POCLOSE.DBF | Pofile.DBF  | BUDGET.DBF |
| SUMFILE.DBF | S_NO_REQ.DBF | ALLINV.DBF |

**Multiple Index Files:**

| ALLPO.MDX  | ALLINV.MDX  | PFILE.MDX |
| POCLOSE.MDX | INVFILE.MDX  | S_NO_REQ.MDX |

**Single Index Files:**

| BUDINDEX.NDX | YSDINDEX.NDX |

**Program Files (source code *.PRG, object/compiled code *.DBO):**

| S_NO_DET.PRG    | POENTER.PRG    | APPENDIN.PRG    |
| APPENDPO.PRG    | POCLOSE.PRG    | S_NO_SUM.PRG    |
| BUDGET.PRG      | EDITIN.PRG     | EDITPO.PRG      |
| CLEAROUT.PRG    | YSD.PRG        | MENU.PRG        |
| ALLOCATE.PRG    | EDITYSD.PRG    | EDITBUD.PRG     |
| JOUR_PO.PRG     | JOURNALS.PRG   | INVENTER.PRG    |
| JOUR_INV.PRG    | S_NO_BAL.PRG   | S_NO_ONE.PRG    |
| PRINTPO.PRG     | UPDATEIN.PRG   | JOUR_COM.PRG    |
| COMPRINT.PRG    | DELETERE.PRG   | PRINTIN.PRG     |
| UTILITY.PRG     | DATAENT.PRG    | FILEEDIT.PRG    |
| S_NO_REQ.PRG    | TICK.Off       | |


| ALLPOS. FRM   | ALLOREN. FRM   | ALLCLO. FRM    |
| ALLPOY. FRM   | ALLPOOPE. FRM  | ALLPOCLO. FRM  |
| ALLOP. FRM    | ALLOPOOI. FRM  | ALLPOSTA. FRM  |
| ALLINV. FRM   | ALLINVS_. FRM  | ALLINVY_. FRM  |

**Install/Upgrade Utilities:**

- CLEAROUT.PRG - deletes all records in all files
- UPDATEIN - changes index files to tag multiple index files
- TICK_FIX - writes N to new tick_field for all records
To do:

1. additional check: if no YSD and budget accounts, access denied to data entry, journals, and balances programs.

2. use poclose order cloindex
   modify structure

   tick_off character 1

   do tick_fix

   c:\wp\account1.jp
Section Three - Program Listing
close all
set device to screen
set decimals to 2
set talk off
set bell off
clear
#2,28 say 'AccountAbility 2.0'
#6,20 say 'Reindexing Data Base -- Please Wait'
select 5
use ysdfile index ysdindex
pack
use
select 4
use budget index budindex
pack
use
select 3
use invfile order invindex
pack
use
select 2
use poclose order cloindex
pack
use
select 1
use pofile order poindex
pack
use
store '7' to response
store .F. to exit
do while .not. exit
  clear
  #2,23 say 'AccountAbility 2.0 - Main Menu'
  #5,20 say '1 - Data Entry - PO / Invoice / Close'
  #7,20 say '2 - Journal Listings (PO, Invoice)'
  #9,20 say '3 - S_NO Balances (Account, All)'
  #11,20 say '4 - Reconciliation - Tick Off POs'
  #13,20 say '5 - Create / Edit Distributions'
  #15,20 say '6 - Utilities: Backup/Set up/Install/Restore'
  #17,20 say '7 - Quit'
  #20,25 say 'Enter Selection Number;' get response picture '9'
read
do case
case response = '1'
do dataent
  case response = '2'
do journals
  case response = '3'
do s_no_bal
  case response = '4'
do tick_off
  case response = '5'
do allocate
  case response = '6'
do utility
  case response = '7'
close all
quit
endcase
store '7' to response
close all
select 3
use invfile order invindex
select 2
use pclose order cloindex
select 1
use profile order poindex
store 'A' to another
do while another = 'A'
store 'R' to retry
   do while retry = 'R'
      select 2
      store 'Q' to response
      clear
   @2,10 say 'AccountAbility 2.0'
   @5,10 say '1 - Data Entry - PO / Invoice / Close (dataent.prg)'
   @10,10 say 'Enter PO_NO, (Q)uit get response picture '9999999'
   read
   store trim(response) to response
   store len(response) to length
   if length < 6 .and. right(response,1) <> 'Q'
      @12,10 say 'Invalid PO_NO, (R)etry, or any key to menu' get retry picture ''
      read
      if UPPER(retry) <> 'R'
         close all
         return
      endif
      endif
      if right(response,1) = 'Q'
         close all
         return
      endif
      if length = 6
         find &response
         if .not. found()
            store 'C' to create
            store 'Q' to avendor
            @13,10 say 'PO_NO'
            @13,18 say response
            @13,25 say 'is not on file.'
            @16,10 say 'Create, or any key to menu' get create picture 'X'
            read
            if UPPER(create) <> 'C'
               exit
            endif
            @19,10 say 'Enter Vendor Name, (Q)uit' get mvendor picture 'XXXXXXXXXXXXXXXX'
            read
            if UPPER(mvendor) = 'Q'
               exit
            else
               select 2
               append blank
               replace po_no with response
               replace vendor with mvendor
               replace date with date()
               replace close with '0'
               replace tick_off with 'N'
               do fileedit
            endif
         endif
      endif
   endif
endif
dataent.prg 05/24/89

endif

if found()
    do fileedit
endif

enddo
enddo
store 'A' to openclose

do while openclose = 'A'
    if close = '0'
        store 'A' to enteragain
        clear
        select 3
        count to invnum for po_no = response
        if invnum > 0
            select 1
            count to ponum for po_no = response
            if ponum = 0
                @7,10 say 'This PO_NO has invoice records but no purchase order records.'
                @9,10 say 'Be sure to close the PO if you wish the invoice records.'
                @10,10 say 'to be included in the calculation for department balances.'
            else
                @7,10 say 'This PO_NO has invoice records and purchase order records.'
                @9,10 say 'Be sure to close the PO if you wish the invoice records.'
                @10,10 say 'to be included in the calculation for department balances.'
        endif
        select 1
        count to ponum for po_no = response
        if ponum = 0
            @7,10 say 'This PO_NO has no purchase order or invoice records.'
        else
            @7,10 say 'This PO_NO has purchase order records but no invoice records.'
        endif
        endif
    endif
    store 'Q' to noentries
    @2,24 say 'AccountAbility 2.0'
    @13,10 say 'PO_NO'
    @13,18 say response
    @13,25 say 'is currently open.'
    @15,10 say '(P)O Entries, (I)Invoice Entries, (C)lose/V oid PO, (Q)uit' get noentries picture 'X'
    read
    store UPPER(noentries) to noentries
    if noentries = 'Q' .and. b->close = '0'
        select 2
        store ' ' to enteragain
        store ' ' to openclose
    endif
    if noentries = 'P'
        do poenter
    endif
    if noentries = 'I'
        do inventer
            if b->close = 'C'
                exit
            endif
        endif
    endif
    if noentries = 'C'
        do poclose
            if b->close = 'C' .or. b->close = 'V'
                exit
            endif
        endif
    endif
enddo
endif
if b->close = 'C' .or. b->close = 'V'
store 'Q' to noopen
@13,10 say 'PO_NO'
@13,18 say response
@13,25 say 'is currently'
if b->close = 'C'
  @13,38 say 'closed.'
endif
if b->close = 'V'
  @13,38 say 'void.'
endif
@16,10 say 're(O)pen, (Q)uit' get noopen picture 'X'
read
store UPPER(noopen) to noopen
if noopen = 'Q'
  exit
endif
if noopen = 'O'
  do poclose
endif
endif
endo
store 'E' to recordsedit
do while recordsedit = 'E'
    store 'Q' to editrecords
    select 2
    store 0 to responseval
    responseval = po_no
    store ' ' to mvendor
    store ' ' to mdate
    mdate = date
    mvendor = vendor
    select 1
    clear
    @1,0 say 'PO DATA ON FILE:'
    count to number for a->po_no = responseval
    if number > 6
        @10,10 say 'Records for PO exceed 6, select (P)rint for Details'
    else
        display for a->po_no = responseval
    endif
    sum to total for a->po_no = responseval
    @13,0 say 'Vendor:'
    @13,10 say mvendor
    @13,26 say 'PO Total:'
    @13,35 say total picture '99999999.99'
    @13,55 say 'PO Date:'
    @13,65 say mdate
    @17,1 say '(A)ppend Record, (E)dit Record, (D)elete Record, (P)rint PO, (Q)uit' get editrecords picture 'X'
    read
    store UPPER(editrecords) to editrecords
    if editrecords = 'Q'
        clear
        exit
    endif
    if editrecords = 'E'
        do editpo
    endif
    if editrecords = 'A'
        do appendpo
    endif
    if editrecords = 'D'
        do deleteto
    endif
    if editrecords = 'P'
        do printpo
    endif
endo
clear
store space(69) to clearline
store ' ' to mdesc
store 0 to mamt
@3,25 say 'Append Record to Purchase Order'
@6,5 say 'Vendor:'
@6,15 say 'Vendor:'
@5,35 say 'PO_NO: '
@6,43 say response
@8,3 say 'Description: ' get mdesc picture 'XXXXXXXXXXXXXX'
read
store 'A' to another_no
do while another_no = 'A'
store ' ' to ms_no
@9,40 say 'S_NO: ' get ms_no picture 'XX'
read
if ms_no = ', '
store ' ' to ms_no
else
select 6
use budget index budindex
find &ms_no
if found()
store ' ' to sdesc
sdesc = desc
@10,40 say sdesc
store 'A' to another_y_no
do while another_y_no = 'A'
store ' ' to my_no
@8,60 say 'Y_NO: ' get my_no picture 'XXXXX'
read
if my_no = ', '
store ' ' to my_no
else
select 6
use ysdfile index ysdindex
find &my_no
if found()
store ' ' to ydesc
ydesc = desc
@10,60 say ydesc
use
@12,5 say 'Amount: ' get mamt picture '9999999.99'
read
store 'C' to confirm
@15,10 say clearline
@15,10 say '(C)onfirm or any key to menu' get confirm picture 'X'
read
if UPPER(confirm) <> 'C'
use
return
else
select 1
append blank
replace a->po_no with response
replace a->desc with mdesc
replace a->s_no with ms_no
replace a->y_no with my_no
replace a->amt with mamt
return
endif
endif
if .not. found()
    store 'R' to redo
    @15,10 say clearline
    @15,10 say 'Y_NO:'
    @15,18 say my_no
    @15,25 say 'is not on file.'
    @17,10 say '(R)edo, or any key to menu' get redo picture 'X'
    read
        if UPPER(redo) <> 'R'
            use
            return
        endif
    @15,10 say clearline
    @17,10 say clearline
    endif
enddo
endif
if .not. found()
    store 'R' to redo
    @15,10 say clearline
    @15,10 say 'S_NO:'
    @15,18 say ms_no
    @15,25 say 'is not on file.'
    @17,10 say '(R)edo, or any key to menu' get redo picture 'X'
    read
        if UPPER(redo) <> 'R'
            use
            return
        endif
    @15,10 say clearline
    @17,10 say clearline
    endif
endif
enddo
store 'A' to anothertry
do while anothertry = 'A'
store space(69) to clearline
store 0 to test
@20,10 say clearline
@20,20 say 'Enter Record#: ' get test picture '999999'
read
select 1
count to counttest
  if test > counttest .OR. test = 0
    store 'R' to retry
    @20,10 say clearline
    @20,10 say 'Invalid Record# for PO file -- (R)etry, or any key to menu' get retry picture 'X'
    read
    if retry <> 'R'
      return
    endif
  endif
  if test <= counttest .AND. test <> 0
    goto test
    if po_no <> responseval
      store 'R' to retry
      @20,10 say clearline
      @20,10 say 'Invalid Record# for PO_NO -- (R)etry, or any key to menu' get retry picture 'X'
      read
      if retry <> 'R'
        return
      endif
      if po_no = responseval
      store 'E' to editingpo
      do while editingpo = 'E'
      store 'Q' to editor
      mvendor = b->vendor
      clear
      @3,25 say 'Edit Record to Purchase Order'
      @8,0 say 'Vendor:'
      @8,10 say mvendor
      @9,10 say ' ,
      display
      @15,5 say '(V)endor, (D)escription, (S)_NO, (Y)_NO, (A)mount, (Q)uit' get editor picture 'X'
      read
      @15,5 say clearline
      store UPPER(editor) to editor
      if editor = 'Q'
        return
      endif
      if editor = 'V'
      store ' ' to newvendor
      @15,10 say 'New Vendor:' get newvendor picture 'XXXXXXXXXXXXXXXX'
      read
      replace b->vendor with newvendor
      @15,10 say clearline
      endif
      if editor = 'D'

store ' ' to newdesc
@15,10 say 'New Description:' get newdesc picture 'XXXXXXXXX'
read
replace a->desc with newdesc
@15,10 say clearline
endif

if editor = 'S'
store 'A' to anothers_no
do while anothers_no = 'A'
store ' ' to news_no
@15,10 say 'New S_NO: ' get news_no picture 'XX'
read
if news_no = ''
    store 'A' to anothers_no
else
    select 6
    use budget index budindex
    find &news_no
    if found()
        use
        select 1
        replace a->s_no with news_no
        exit
    endif
    if .not. found()
        store 'R' to redo
        @15,10 say clearline
        @15,10 say 'S_NO: ' get redo picture 'X'
        read
        if UPPER(redo) <> 'R'
            use
            select 1
            exit
        endif
        @15,10 say clearline
        @17,10 say clearline
        endif
    endif
endo
endif
if editor = 'Y'
store 'A' to anothery_no
do while anothery_no = 'A'
store ' ' to newy_no
@15,10 say 'New Y_NO: ' get newy_no picture 'XX'
read
if newy_no = '
    store ' ' to newy_no
else
    select 6
    use ysdfile index ysdindex
    find &newy_no
    if found()
        use
        select 1

replace a->y_no with new_y_no
exit
endif
if .not. found()
  store 'R' to redo
  @15,10 say clearline
  @15,10 say 'Y_NO: '
  @15,18 say new_y_no
  @15,25 say 'is not on file.'
  @17,10 say '(R)edo, or any key to menu' get redo picture 'X'
  read
    if UPPER(redo) <> 'R'
      use
      select 1
      exit
    endif
    @15,10 say clearline
    @17,10 say clearline
  endif
endif
ddoo
endif
endif
enddo
*deletere.prg delete specified records to defined po

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store 'A' to anothertry

do while anothertry = 'A'

store space(69) to clearline

store 0 to test

@21,10 say clearline

@21,20 say 'Enter Record#: ' get test picture '999999'

read

if noentries = 'P'

   select 1

endif

if noentries = 'I'

   select 3

endif

count to counttest

   if test > counttest .OR. test = 0

      store 'R' to retry

      @21,10 say clearline

      @21,10 say 'Invalid Record# for File -- (R)etry, or any key to menu' get retry picture 'X'

      read

      if retry <> 'R'

         return

      endif

   endif

endif

if test <= counttest .AND. test <> 0

   goto test

   if po_no <> responseval

      store 'R' to retry

      @21,10 say clearline

      @21,10 say 'Invalid Record# for PO NO -- (R)etry, or any key to menu' get retry picture 'X'

      read

      if retry <> 'R'

         return

      endif

   endif

   if po_no = responseval

      store 'C' to deleteyes

      mvendor = b->vendor

      clear

      @3,25 say 'Delete Record'

      @8,0 say 'Vendor: '

      @8,10 say mvendor

      @9,10 say '

      display

      @15,5 say '(C)onfirm, or any key to menu' get deleteyes picture 'X'

      read

      @15,5 say clearline

      if UPPER(deleteyes) <> 'C'

         return

      else

         delete

         pack

         return

      endif

   endif

endif
*printpo.prg prints selected po activity from poenter/edit program*

**select 2**

- set device to printer
- set margin to 5
- @6,15 say 'Individual Purchase Order'
- @6,55 say date()
- @9,10 say ' '
- store 0 to linecnt
- display off to printer
- linecnt = linecnt + 14

**select 1**

find &responseval

- if found()
  - @linecnt,1 say 'Purchase Order Details: '
  - linecnt = linecnt + 1
  - @linecnt,1 say ' '
  - display DESC, S_NO, V_NO, AMT to printer for po_no = responseval
  - store 0 to mpototal
  - sum to mpototal for po_no = responseval
  - count to mporecs for po_no = responseval
  - linecnt = linecnt + mporecs + 3
  - @ linecnt,34 say 'Purchase Order Total: '
  - @ linecnt,54 say mpototal picture '9999999999.99'
  - linecnt = linecnt + 3
- endif

- set margin to 0
- set device to screen
- eject

return
store 'A' to recordsedit
do while recordsedit = 'A'
    store 'Q' to editrecords
    select 2
    store 0 to responseval
    responseval = po_no
    store ' ' to avendor
    store ' ' to mdate
    avendor = vendor
    mdate = date
    select 3
    clear
    @1,0 say 'INVOICE DATA ON FILE:
    count to invnumber for po_no = response
    if invnumber > 6
        @4,5 say 'Invoice Records for PO exceed 6, select (P)rint for details'
    else
        display for po_no = response
    endif
    sum to invtotal for c->po_no = response
    select 1
    @9,0 say 'PO DATA ON FILE:
    count to ponumber for po_no = response
    if ponumber > 6
        @12,5 say 'Purchase Order Records for PO exceed 6, select (P)rint for details'
    else
        display off for po_no = response
    endif
    sum to pototal for a->po_no = response
    @17,0 say 'Vendor:
    @17,10 say avendor
    @17,25 say 'INV Total:
    @17,35 say invtotal picture '99999999.99'
    @17,56 say 'PO Total:
    @17,65 say pototal picture '99999999.99'
    @19,1 say '(A)ppend Rec., (E)dit Rec., (D)elete Rec., (P)rint INV, (C)lose PO, (Q)uit' get editrecords picture 'X'
    read
    store UPPER(editrecords) to editrecords
    if editrecords = 'Q'
        clear
        exit
    endif
    if editrecords = 'C'
        store 'C' to confirm
        select 2
        replace b->close with 'C'
        store space(78) to clearline
        @19,1 say clearline
        @19,15 say '(C)onfirm to close PO, or any key' get confirm picture 'X'
        read
        if UPPER(confirm) <> 'C'
            replace b->close with 'D'
        else
            store 'P' to inprint
            @19,1 say clearline
            @19,15 say '(P)rint, or any key' get inprint picture 'X'
            read
            if UPPER(inprint) = 'P'
                do printin
            endif
        endif
    endif
clear
exit
endif
endif
if editrecords = 'A'
do appendin
endif
if editrecords = 'E'
do editin
endif
if editrecords = 'D'
do deletere
endif
if editrecords = 'P'
do printin
endif
enddo
appendin.prg 05/24/89

store space(69) to clearline
store ' ' to minv_no
store ' ' to minv_date
minv_date = date()
store ' ' to mdesc
store 0 to mamt
03,25 say 'Append Record to Invoice'
06,10 say 'Vendor:'
06,20 say mvendor
06,40 say 'PO_NO: '
06,48 say responseval
08,10 say 'INV_NO: ' get minv_no picture 'XXXXXXXX'
read
08,40 say 'ENTRY DATE: '
08,53 say minv_date
@10,5 say 'Description: ' get mdesc picture 'XXXXXXXXXXXXXXXXX'
read
store 'A' to anothery_no
do while anothery_no = 'A'
store ' ' to ms_no
@10,40 say 'S_NO: ' get ms_no picture 'XX'
read
if ms_no = '
store ' ' to ms_no
else
select 6
use budget index budindex
find &ms_no
if found()
store ' ' to sdesc
sdesc = desc
@12,40 say sdesc
store 'A' to anothery_no
do while anothery_no = 'A'
store ' ' to my_no
@10,60 say 'Y_NO: ' get my_no picture 'XXXX'
read
if my_no = '
store ' ' to my_no
else
select 6
use ysdfile index ysdindex
find &my_no
if found()
store ' ' to ydesc
ydesc = desc
@12,60 say ydesc
use
@14,10 say 'Amount: ' get mamt picture '99999999.99'
read
store 'C' to confirm
@17,10 say clearline
@17,10 say '(C)onfirm or any key to menu' get confirm picture 'X'
read
if UPPER(confirm) <> 'C'
use
return
else
select 3
append blank
replace c-po_no with response
replace c-inv_no with minv_no
replace c-inv_date with minv_date
replace c-desc with adesc
replace c-s_no with ms_no
replace c-y_no with my_no
replace c- amt with mamt
return
endif
endif
endif
if .not. found()
store 'R' to redo
@17,10 say clearline
@17,10 'Y_NO:'
@17,18 say my_no
@17,25 say 'is not on file.'
@19,10 say '(R)edo, or any key to menu' get redo picture 'x'
read
if UPPER(redo) <> 'R'
  use
  return
endif
@17,10 say clearline
@19,10 say clearline
endif
endif
endif
endif
if .not. found()
store 'R' to redo
@17,10 say clearline
@17,10 'S_NO:'
@17,18 say ms_no
@17,25 say 'is not on file.'
@19,10 say '(R)edo, or any key to menu' get redo picture 'x'
read
if UPPER(redo) <> 'R'
  use
  return
endif
@17,10 say clearline
@19,10 say clearline
endif
endif
enddo
editin.prg 05/24/89

store 'A' to anothertry
do while anothertry = 'A'
store space(71) to clearline
store 0 to test
@20,10 say clearline
@20,20 say 'Enter Record#; ' get test picture '999999'
read
select 3
count to counttest
  if test > counttest .OR. test = 0
    store 'R' to retry
    @20,10 say clearline
  endif
@endif
@20,10 say 'Invalid Record# for INV File -- (R)etry, or any key to menu' get retry picture 'X'
read
  if retry <> 'R'
    return
  endif
if test <= counttest .AND. test <> 0
goto test
  if po_no <> responseval
    store 'R' to retry
    @20,10 say clearline
  endif
@20,10 say 'Invalid Record# for required PO_NO -- (R)etry, or any key to menu' get retry picture 'X'
read
  if retry <> 'R'
    return
  endif
if po_no = responseval
store 'E' to editingpo
do while editingpo = 'E'
  store 'O' to editor
  avendor = b->vendor
  clear
  @3,25 say 'Edit Record to Invoice'
  @8,0 say 'Vendor:'
  @8,10 say avendor
  @9,10 say ' '
display
@15,5 say 'Inv_ (N)o, (I)nv_Date, (D)escription, (S)_NO, (Y)_NO, (A)mount, (Q)uit' get editor picture 'X'
read
@15,5 say clearline
store UPPER(editor) to editor
  if editor = 'O'
    return
  endif
if editor = 'W'
  store ' ' to newinv_no
@15,10 say 'New INV_NO;' get newinv_no picture 'XXXXXXXXXXXXXX'
read
  replace c->inv_no with newinv_no
@15,10 say clearline
endif
if editor = 'I'

store ' ' to newdate
@15,10 say 'New INV_Date:' get newdate picture '0d 99/99/99'
read
store CTOD(newdate) to newdate
replace c->inv_date with newdate
@15,10 say clearline
endif

if editor = 'D'
store ' ' to newdesc
@15,10 say 'New Description:' get newdesc picture 'XXXXXXXXXXXXXX'
read
replace c->desc with newdesc
@15,10 say clearline
endif

if editor = 'S'
store 'A' to anothery_no
do while anothery_no = 'A'
store ' ' to newy_no
@15,10 say 'New Y_NO: ' get newy_no picture 'XXXXXX'
read
if newy_no = ' ' 
    store ' ' to newy_no
else
    select 5
    use budget index budindex
    find &newy_no
    if found()
        use
        select 3
        replace c->y_no with newy_no
        exit
    endif
    if .not. found()
        store 'R' to redo
        @15,10 say clearline
        @15,10 say 'S_NO: '
        @15,18 say news_no
        @15,25 say 'is not on file.'
        @17,10 say '(R)edo, or any key to menu' get redo picture 'Y'
        read
        if UPPER(redo) <> 'R'
            use
            select 3
            exit
        endif
        @15,10 say clearline
        @17,10 say clearline
    endif
    endif
endo
doi
if newy_no = '   ',
   store '   ' to newy_no
else
select 6
use ysdfile index ysdindex
find &newy_no
if found()  
   use
   select 3
   replace c->y_no with newy_no
   exit
endif
if .not. found()  
   store 'R' to redo
   @15,10 say clearline
   @15,10 say 'Y_NO:  '
   @15,18 say newy_no
   @15,25 say 'is not on file.'
   @17,10 say '(R)edo, or any key to menu' get redo picture 'X'
read
   if UPPER(redo) <> 'R'
      use
      select 3
      exit
   endif
   @15,10 say clearline
   @17,10 say clearline
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deletere.prg 05/24/89

#deletere.prg delete specified records to defined po
#copyright Aug 1987, John E. Percevault, Box 2236 - Edson, AB - T0E 0P0
store 'A' to anothertry
do while anothertry = 'A'
store space(69) to clearline
store 0 to test
@21,10 say clearline
@21,20 say 'Enter Record# : ' get test picture '999999'
read
if noentries = 'P'
    select 1
endif
if noentries = 'I'
    select 3
endif
count to counttest
if test > counttest .OR. test = 0
    store 'R' to retry
    @21,10 say clearline
    @21,10 say 'Invalid Record# for File -- (R)etry, or any key to menu' get retry picture 'X'
    read
    if retry <> 'R'
        return
    endif
endif
if test <= counttest .AND. test <> 0
    goto test
    if po_no <> responseval
        store 'R' to retry
        @21,10 say clearline
    @21,10 say 'Invalid Record# for PO_NO -- (R)etry, or any key to menu' get retry picture 'X'
    read
    if retry <> 'R'
        return
    endif
    endif
if po_no = responseval
    store 'C' to deleteyes
    mvendor = b->vendor
clear
    @3,25 say 'Delete Record'
    @8,9 say 'Vendor: '
    @8,10 say mvendor
    @9,10 say ' '
display
    @15,5 say '(C)onfirm, or any key to menu' get deleteyes picture 'X'
    read
    @15,5 say clearline
    if UPPER(deleteyes) <> 'C'
        return
    else
        delete
        pack
        return
    endif
endif
*printin.prg prints po/inv activity by specified po_no*

```
select 2
set device to printer
set margin to 5
@6,10 say 'Invoice / Purchase Order Report'
@6,55 say date()
@9,10 say '    

store 0 to linecnt
display off to printer
linecnt = linecnt + 14

select 1
find &responseval
    if found()
        @linecnt,1 say 'Purchase Order Details:'
        linecnt = linecnt + 1
        @linecnt,1 say '    
        display off DESC, S_NO, Y_NO, AMT to printer for po_no = responseval
        store 0 to mpototal
        sum to mpototal for po_no = responseval
        count to mporecs for po_no = responseval
        linecnt = linecnt + mporecs + 3
        @linecnt,34 say 'Purchase Order Total:'
        @linecnt,54 say mpototal picture '99999999.99'
        linecnt = linecnt + 3
    endif

select 3
find &responseval
    if found()
        @linecnt,1 say 'Invoice Details:'
        linecnt = linecnt + 1
        @linecnt,1 say '    
        display INV_NO, INV_DATE, DESC, S_NO, Y_NO, AMT to printer for po_no = responseval
        store 0 to minvtotal
        sum to minvtotal for po_no = responseval
        count to minvrecs for po_no = responseval
        linecnt = linecnt + minvrecs + 3
        @linecnt,34 say 'Invoice Total:'
        @linecnt,54 say minvtotal picture '99999999.99'
        linecnt = linecnt + 2
    endif

set margin to 0
set device to screen
eject
return
```
store space(59) to clearline
responseval = response
store 'C' to closer
do while closer = 'C'
store 'C' to confirm
store 'O' to closing
clear
select 2
store ' ' to avendor
avendor = vendor
store ' ' to adate
adate = date
store ' ' to mstatus
mstatus = close
select 3
$1,0 say 'INVOICE DATA ON FILE:'
count to invnulllber for c-)po_no = response
if invnumber > 6
$4,10 say 'Invoice Records for PO exceed 6, select (P)rint for details'
else
display off for c-)po_no = response
endif
sum to invtotal for c-)po_no = response
select 1
$9,0 say 'PO DATA ON FILE:'
count to ponumber for a-)po_no = response
if ponumber > 6
$12,10 say 'Purchase Order Records for PO exceed 6, select (P)rint for details'
else
display off for a-)po_no = response
endif
sum to pototal for a-)po_no = response
$17,0 say 'Vendor:'
$17,10 say avendor
$17,25 say 'INV Total:'
$17,25 say invtotal picture '99999999.99'
$17,55 say 'PO Total:'
$17,65 say pototal picture '99999999.99'
$19,0 say 'PO Status:'
$19,12 say mstatus
$19,30 say 'PO_NO:'
$19,40 say response
$21,10 say clearline
$21,10 say '(C)lose, (V)oid, re(0)pen, (P)rint, (Q)uit' get closing picture 'X'
read
if UPPER(closing) = 'Q'
clear
return
endif
if UPPER(closing) = 'C'
select 2
replace b->close with 'C'
mstatus = close
$19,12 say mstatus
$21,10 say clearline
$21,10 say '(C)onfirm to close PO, or any key' get confirm picture 'X'
read
if UPPER(confirm) <> 'C'
replace b->close with '0'

endif
endif
if UPPER(closing) = 'V'
  select 3
  find &response
  if found()
    clear
    @13,1 say 'PO_NO'
    @13,9 say response
    @13,17 say 'has invoice data on file. Can NOT void.'
    @15,1 say ' '
    wait
  endif
  if .not. found()
    select 2
    replace b->close with 'V'
    mystatus = close
    @19,12 say mystatus
    @21,10 say clearline
  endif
endif
if UPPER(closing) = '0'
  select 2
  replace b->close with '0'
  mystatus = close
  @19,12 say mystatus
  @21,10 say clearline
endif
if UPPER(closing) = 'P'
do printin
endif
enddo
printin.prg 05/24/89

printin.prg prints po/inv activity by specified po_no

select 2
set device to printer
set margin to 5
@6,10 say 'Invoice / Purchase Order Report'
@6,55 say date()
@8,10 say '  

store 0 to linecnt
display off to printer
linecnt = linecnt + 14

select 1
find &responseval
if found()
@linecnt,1 say 'Purchase Order Details:'
linecnt = linecnt + 1
@linecnt,1 say '  
display off DESC, S_NO, Y_NO, AMT to printer for po_no = responseval
store 0 to mpototal
sum to mpototal for po_no = responseval
count to mporecs for po_no = responseval
linecnt = linecnt + mporecs + 3
@ linecnt,34 say 'Purchase Order Total:'
@ linecnt,54 say mpototal picture '99999999.99'
linecnt = linecnt + 3
endif

select 3
find &responseval
if found()
@linecnt,1 say 'Invoice Details:'
linecnt = linecnt + 1
@linecnt,1 say '  
display INV_NO, INV_DATE, DESC, S_NO, Y_NO, AMT to printer for po_no = responseval
store 0 to minvtotal
sum to minvtotal for po_no = responseval
count to minvrecs for po_no = responseval
linecnt = linecnt + minvrecs + 3
@linecnt,34 say 'Invoice Total:'
@linecnt,54 say minvtotal picture '99999999.99'
linecnt = linecnt + 2
endif

set margin to 0
set device to screen
eject
return
journals.prg setups menus for printing journals by po, invoice, &or matches

store 'A' to another
do while another = 'A'
clear
store 'Q' to dates
@2,10 say 'Accountability 2.0'
@5,10 say ' 2 - Journal Listings (journals.prg)'
@10,10 say '(A)ll dates, (R)ange dates, (Q)uit' get dates picture 'X'
read
store UPPER(dates) to dates
if dates = 'Q'
close all
return
endif
if dates = 'A'
 store 'A' to alldates
do while alldates = 'A'
 store 'Q' to response
 clear
@5,15 say 'All dates - Journal Listings'
@10,15 say ' (P)Os, (I)lnvoices, (C)ombined, (Q)uit' get response picture 'X'
read
store UPPER(response) to response
if response = 'Q'
exit
endif
if response = 'P'
do jour_po.prg
 store 'A' to alldates
endif
if response = 'I'
do jour_inv.prg
 store 'A' to alldates
endif
if response = 'C'
do jour_com.prg
 store 'A' to alldates
endif
enddo
endif
if dates = 'R'
 store ' ' to begindate
 store ' ' to enddate
@15,10 say 'Beginning Date: ' get begindate picture 'DD 99/99/99'
*see page 245 range with CTOD
read
@15,45 say 'Ending Date: ' get enddate picture 'DD 99/99/99'
read
store CTOD(begindate) to begindate
store CTOD(enddate) to enddate
store '0' to daterange
do while daterange = '0'
clear
store 'Q' to response
@5,15 say begindate
@5,25 say 'to'
@5,29 say enddate
@5,41 say '-' Journal Listings'
@10,15 say '(P)Os, (I)lnvoices, (Q)uit' get response picture 'X'
read
store UPPER(response) to response
if response = 'Q'
  exit
endif
if response = 'P'
do jour_po
  store 'D' to daterange
endif
if response = 'I'
  store 'D' to datetype
  do while datetype = 'D'
    store 'Q' to bydate
    clear
    @5,15 say 'Range Dates -- Invoice Journal Report List By:
@10,15 say '(P)O date, (I)nvoice date, (Q)uit ' get bydate picture 'X'
    read
    store UPPER(bydate) to bydate
    if bydate = 'Q'
      exit
    endif
    if bydate = 'P'
do jour_inv
  store 'D' to daterange
endif
    if bydate = 'I'
do jour_inv
  store 'D' to daterange
endif
enddo
endif
endo
jour_po.prg 05/24/89

jour_po.prg lists po records according to po_no, s_no, y_no, or
isclosed, open, void status

if response = 'P'
close all
fclose, open, void status
if response = 'P'
close all
clear
$5,20 say 'Purchase Order Journal Reports -- Select:'
$10,10 say 'Creating files . . . Do not interrupt.'
close all
select 5
erase allpo.dbf
erase allpo.mdx
select 3
use profile order poindex
select 2
use poclose order clindex
if dates = 'A'
join with c to allpo.dbf for b->po_no = c->po_no, b->vendor, b->date, c->desc, c->s_no, c->y_no, c->amt, b->close, b->
else
join with c to allpo.dbf for b->po_no = c->po_no .AND. b->date >= begindate .AND. b->date <= enddate fields c->po_no, b->vendor, b->dat
dendif
select 3
use
select 2
use
select 5
use allpo.dbf
index on po_no tag allppo
index on s_no tag allposs
index on y_no tag allpoy
index on close tag allpoclo

store 'S' to sorter
do while sorter = 'S'
store 'O' to polister
clear
if dates = 'A'
$5,15 say 'All Dates -- Purchase Order Journal Reports -- Select:'
else
$5,15 say 'Range Dates -- Purchase Order Journal Reports -- Select:'
dendif
$10,20 say '((I)indexed, (S)tatus, (Q)uit' get polister picture 'X'
read
store UPPER(polister) to polister
if polister = 'Q'
exit
dendif

if polister = 'I'
store 'I' to isorter
do while isorter = 'I'
store 'Q' to indexlister
clear
if dates = 'A'
$5,15 say 'All Dates - Purchase Order Journal Report Indexed By:'
else
$5,15 say 'Range Dates - Purchase Order Journal Report Indexed by:'
dendif
$10,20 say '((P)O_NO, (S)_NO, (Y)_NO, (Q)uit' get indexlister picture 'X'
read
store UPPER(indexlister) to indexlister
if indexlister = 'Q'
    close all
    exit
endif
if indexlister = 'P'
    select 5
    set order to allpo
    report form allpo.frm to printer
    store 'S' to sorter
endif
if indexlister = 'S'
    select 5
    set order to allpos
    report form allpos.frm to printer
    store 'S' to sorter
endif
if indexlister = 'Y'
    select 5
    store 'N' to tickresp
    @15,20 say '(All reconciled - Ticked, (N)ot Ticked' get tickresp picture 'X'
    read
    store UPPER(tickresp) to tickresp
    if tickresp = 'A'
        set order to allpoy
        report form allpoy.frm to printer
        endif
    if tickresp = 'R'
        set order to allpoy
        report form allpoy.frm to printer for tick_off = 'Y'
        endif
    if tickresp = 'N'
        set order to allpoy
        report form allpoy.frm to printer for tick_off = 'N'
        endif
    store 'S' to sorter
    endif
endo
endif
if polister = 'S'
    store 'S' to ssorter
    do while ssorter = 'S'
    store 'Q' to statuslist
    clear
    if dates = 'A'
        @5,15 say 'All Dates - Purchase Order Journal Report status by:
    else
        @5,15 say 'Range Dates - Purchase Order Journal Report status by:
    endif
    @10,20 say '(O)pen, (C)losed, (V)oid, (A)ll, (Q)uit' get statuslist picture 'X'
    read
    store UPPER(statuslist) to statuslist
    if statuslist = 'Q'
        exit
        endif
    if statuslist = 'O' .OR. statuslist = 'C'
        select 5
        use allpo.dbf
        set order to allpoclo
        if statuslist = 'O'
report form allpoop.e to printer for close = '0'
store 'S' to sorter
endif
if statuslist = 'C'
    report form allpcclo.frm to printer for close = 'C'
    store 'S' to sorter
endif
endif
if statuslist = 'V' .OR. statuslist = 'A'
    select 2
    use poclose.dbf order closeind
    if statuslist = 'V'
        if dates = 'A'
            report form allpvoi.frm to printer for close = 'V'
        else
            report form allpvoi.frm to printer for close = 'V' .AND. date = begindate .AND. date = enddate
        endif
        store 'S' to sorter
    endif
    if statuslist = 'A'
        if dates = 'A'
            report form allposta.frm to printer
        else
            report form allposta.frm to printer for date = begindate .AND. date = enddate
        endif
        store 'S' to sorter
    endif
endif
dodo
endif
dodo
return
endif
+jour_inv.prg lists inv records according to po_no, s_no, y_no
if response = 'I'
clear
close all
@10,10 say 'Creating files . . . Do not interrupt.'
select 5
  erase allinv.dbf
  erase allinv.mdx
select 3
  use invfile order invindex
select 2
  use poclose order cloindex
  if dates = 'A'
    join with c to allinv.dbf for b->po_no = c->po_no fields c->po_no, c->inv_no, b->vendor, c->inv_date, c->desc, c->s_no, c->y_no, c->a
    if bydate = 'P'
      join with c to allinv.dbf for b->po_no = c->po_no .AND. b->date >= begindate .AND. b->date <= enddate fields c->po_no, c->inv_no, b->ve
    else
      join with c to allinv.dbf for b->po_no = c->po_no .AND. c->inv_date >= begindate .AND. c->inv_date <= enddate fields c->po_no, c->inv_n
    endif
  endif
endif
select 5
  use allinv.dbf
  index on po_no tag allinvpo
  index on s_no tag allinvs_
  index on y_no tag allinvy_
store 'I' to isorter
  do while isorter = 'I'
    store 'G' to indexlister
    clear
    if dates = 'A'
      @5,20 say 'All Dates -- Invoice Journal Report Indexed By:'
    else
      @5,20 say 'Range Dates -- Invoice Journal Reports Indexed By:'
    endif
    @10, 10 say , (PIO_NO, (C)losed POs, (O)pen POs, (~))_NO, (YJ_NO, (Q)uit)
    get indexlister picture 'I'
    read
    store UPPER(indexlister) to indexlister
    if indexlister = 'O'
      close all
      exit
    endif
    if indexlister = 'P'
      use allinv.dbf
      set order to allinvpo
      report form allinv.frm to printer
    endif
*look at changing heading based on all dates or range date see heading on page 162
    endif
  if indexlister = 'C'
    use allinv.dbf
    set order to allinvpo
    report form allinv.frm for close = 'C' to printer
  endif
  if indexlister = 'O'
    use allinv.dbf
    set order to allinvpo
report form allopen.frm for close = 'D' to printer
endif
if indexlister = 'S'
  use allinv.dbf
  set order to allinvs_
  report form allinvs_.frm to printer
endif
if indexlister = 'Y'
  store 'N' to tickresp
  @15,20 say '(A)ll, (R)econciled - Ticked, (N)ot Ticked' get tickresp picture 'Y'
  read
  store UPPER(tickresp) to tickresp
  use allinv.dbf
  set order to allinvy_
  if tickresp = 'A'
    report form allinvy_.frm to printer
  endif
  if tickresp = 'R'
    report form allinvy_.frm to printer for tick_off = 'Y'
  endif
  if tickresp = 'N'
    report form allinvy_.frm to printer for tick_off = 'N'
  endif
endif
enddo
*jour_com prints a combined list of po/inv activity in sequence by po_no

select 3
use invfile order invindex
select 2
use poclose order cloindex
goto 1
select 1
use pofile order poindex
select 2
store 'A' to another
do while another = 'A'

store 'Q' to combine
store 0 to pagecnt
store ' ' to apo_no

clear
05,10 say 'All Dates -- Combined Journal Report -- Select:'
010,10 say '(O)pen, (C)losed, (A)ll, (Q)uit ' get combine picture 'X'
read
store UPPER(combine) to combine

if combine = 'Q'
    return
endif

*modify to show if no open or closed on file

if combine = 'O'
    set order to closeind
    find 'O'
    if found()
        do while close = 'O'
            set device to printer
            set margin to 5
            06,15 say 'Combined PO/INV Activity Report -- Open POs'
            06,60 say date()
            09,10 say ' '
            do comprint
            skip
        enddo
        endif
        store 'A' to another
        endif

if combine = 'C'
    set order to closeind
    find 'C'
    if found()
        do while close = 'C'
            set device to printer
            set margin to 5
            06,15 say 'Combined PO/INV Activity Report -- Closed POs'
            06,60 say date()
            09,10 say ' '
            do comprint
            skip
        enddo
        endif
        store 'A' to another
endif

if combine = 'A'
    set order to cloindex
    goto top
    do while .not. eof(j
        set device to printer
        set margin to 5
        @6,15 say 'Combined PO/INV Activity Report -- All POs'
        @6,60 say date()
        @9,10 say ' '
        do comprint
            skip
        endo
    store 'A' to another
endif
endo
return
s_no_bal.prg 05/24/89

s_no_bal.prg projects ending balances per s_no or all
#copyright John E. Percevault, Box 2236 - Edson, AB - TODE 0PO
store 'A' to another
do while another = 'A'
    select 8
    use s_no_req order s_no
    select 7
    use sumfile
    erase posingle.dbf
    select 4
    use budget index budindex
    select 3
    use profile order poindex
    select 2
    use poclose order cloindex
    goto top
    select 1
    use invfile order invindex
    store 'R' to retry
    do while retry = 'R'
        store 'R' to invalidtry
        do while invalidtry = 'R'
            store 'P' to printing
            select 4
            store 'Q' to response
            clear
            02,10 say 'AccountAbility 2.0'
            05,10 say ' 3 - S_NO Balances (s_no_bal.prg)'
            @10,10 say 'Enter S_NO, (R)eg usted departments, (A)ll departments, (Q)uit' get response picture 'NN'
            read
                responseval = response
                store UPPER(trim(response)) to response
                store len(response) to length
                if length = 2
                    exit
                else
                    if response = 'R' .or. response = 'A' .or. response = 'Q'
                        exit
                    else
                        @12,10 say 'Invalid entry, (R)etry or any key to menu' get invalidtry picture 'I'
                        read
                        if UPPER(invalidtry) <> 'R'
                            close all
                            return
                        endif
                        endif
                    endif
                    enddo
                    if right(response,1) = 'Q'
                        close all
                        return
                    endif
                    if response = 'R'
                        do s_no_req
                        exit
                    endif
                    if response = 'A'
                        store 'S' to reporttype
                    endif
                    @15,10 say '(S)ummary, (D)etail, or any key to menu' get reporttype picture 'X'
                    read
                    ...
if UPPER(reporttype) <> 'S' .and. UPPER(reporttype) <> 'D'
    exit
endif
if UPPER(reporttype) = 'S'
    do s_no_sum
    exit
endif
if UPPER(reporttype) = 'D'
    do s_no_det
    exit
endif
if length = 2
    find &responseval
    if .not. found()
        @13,10 say 'S_NO'
        @13,18 say response
        @13,24 say 'is not on file.'
        @16,10 say '(R)etry, or any key to main menu' get retry picture 'X'
        read
            if UPPER(retry) <> 'R'
                close all
                return
            endif
        endif
    endif
endif
if found()
    do s_no_one
endif
enddo
enddo
select 3
set relation to po_no into poclose
sum to mpototal for c->s_no = response .and. b->close = '0'
set relation to
select 1
set relation to po_no into poclose
sum to minvtotal for a->s_no = response .and. b->close = '0'
set relation to
store 0 to mcommitment
mcommitment = mpototal + minvtotal
store 0 to mallocation
mallocation = d->allocation
store ' ' to mdesc
mdesc = d->desc
store 0 to mbalance
mbalance = mallocation - mcommitment

select 1
set relation to po_no into poclose
sum to mpototal for c->s_no = response .and. b->close = '0'
set relation to
store 0 to mcommitment
mcommitment = mpototal + minvtotal
store 0 to mallocation
mallocation = d->allocation
store ' ' to mdesc
mdesc = d->desc
store 0 to mbalance
mbalance = mallocation - mcommitment
@6,10 say 'Paid Invoice Details --'
@6,40 say mdesc
@6,60 say date()
@9,15 say 'Paid Invoice Total ...'
@9,53 say minvtotal picture '999999999.99'
@12,10 say 'Printed on:
@9,35 say date()
@6,50 say mdesc
@9,15 say 'Total Budget Commitment ...'
@9,53 say mcommitment picture '999999999.99'
@12,15 say 'Budget Allocation ... ...
@12,53 say mallocation picture '999999999.99'
@17,15 say 'Projected Department Balance:'
@17,53 say mbalance picture '999999999.99'
@18,10 say '
set device to screen
set relation to
set device to printer
@6,15 say 'Printed on:
@6,35 say date()
@6,50 say mdesc
@9,15 say 'Total Budget Commitment ...'
@9,53 say mcommitment picture '999999999.99'
@12,15 say 'Budget Allocation ... ...
@12,53 say mallocation picture '999999999.99'
@17,15 say 'Projected Department Balance:'
@17,53 say mbalance picture '999999999.99'
@18,10 say '
set device to screen
set relation to
set device to printer
@6,15 say 'Printed on:
@6,35 say date()
@6,50 say mdesc
@9,15 say 'Total Budget Commitment ...'
@9,53 say mcommitment picture '999999999.99'
@12,15 say 'Budget Allocation ... ...
@12,53 say mallocation picture '999999999.99'
@17,15 say 'Projected Department Balance:'
@17,53 say mbalance picture '999999999.99'
@18,10 say '
set device to screen
set relation to
set device to printer
@6,15 say 'Printed on:
@6,35 say date()
@6,50 say mdesc
@9,15 say 'Total Budget Commitment ...'
@9,53 say mcommitment picture '999999999.99'
@12,15 say 'Budget Allocation ... ...
@12,53 say mallocation picture '999999999.99'
@17,15 say 'Projected Department Balance:'
@17,53 say mbalance picture '999999999.99'
@18,10 say '
set device to screen
set relation to
set device to printer
@6,15 say 'Printed on:
@6,35 say date()
@6,50 say mdesc
@9,15 say 'Total Budget Commitment ...'
@9,53 say mcommitment picture '999999999.99'
@12,15 say 'Budget Allocation ... ...
@12,53 say mallocation picture '999999999.99'
@17,15 say 'Projected Department Balance:'
@17,53 say mbalance picture '999999999.99'
@18,10 say '
set device to screen
set relation to
set device to printer
@6,15 say 'Printed on:
@6,35 say date()
@6,50 say mdesc
@9,15 say 'Total Budget Commitment ...'
@9,53 say mcommitment picture '999999999.99'
@12,15 say 'Budget Allocation ... ...
@12,53 say mallocation picture '999999999.99'
@17,15 say 'Projected Department Balance:'
@17,53 say mbalance picture '999999999.99'
@18,10 say '
set device to screen
set relation to
set device to printer
@6,15 say 'Printed on:
@6,35 say date()
@6,50 say mdesc
@9,15 say 'Total Budget Commitment ...'
@9,53 say mcommitment picture '999999999.99'
@12,15 say 'Budget Allocation ... ...
@12,53 say mallocation picture '999999999.99'
@17,15 say 'Projected Department Balance:'
@17,53 say mbalance picture '999999999.99'
@18,10 say '
set device to screen
set relation to
set device to printer
@6,15 say 'Printed on:
@6,35 say date()
store 'A' to anotherreq
do while anotherreq = 'A'
store 'R' to invalidtry
do while invalidtry = 'R'
store 0 to entryval
store 'Q' to entry
select 4
clear
@10,10 say 'Enter S_NO, (D)isplay requested S_NOS, (P)rocess, (Q)uit' get entry picture 'NN'
read
entryval = entry
store UPPER(trim(entry)) to entry
store len(entry) to length
if length < 1
    @12,10 say 'Invalid entry, (R)etry, or any key to menu' get invalidtry picture 'Y'
    read
    if UPPER(invalidtry) <> 'R'
        return
    endif
endif
if entry = 'Q'
    select 8
    delete all
    pack
    return
else
    exit
endif
endo
do while
if entry = 'D'
    select 8
    clear
    display all off
    wait
endif
if entry = 'P'
    clear
    @10,1 say 'This report goes directly to the printer. '
    @13,1 say 'Set printer to 17 pitch or use wide paper. '
    @15,13 say 'Set printer to 17 pitch or use wide paper. '
    wait
    clear
    @10,8 say 'Calculating and printing requested S_No account details. '
    @12,8 say 'Do not interrupt. '
    store ' ' to s_npoint
    select 8
    goto top
do while .not. eof()
s_npoint = h->s_no
select 3
    set relation to po_no into poclose
    store ' ' to mdesc
    adesc = h->desc
    sum to mpototal for c->s_no = s_npoint .and. b->close = 'O'
    set device to printer
    @6,10 say 'Purchase Order Details - -'
    @6,40 say mdesc
    @6,60 say date()
    @9,15 say 'Purchase Order Commitment . .'
    @9,52 say mpototal picture '99999999.99'
select 1
set relation to po_no into po_close
sum to minvtotal for a->s_no = s_nopoint .and. b->close = 'C'
store 0 to mcommitment
mcommitment = spototal + minvtotal
store 0 to mallocation
mallocation = d->allocation
store 0 to mbalance
mbalance = mallocation - mcommitment
set device to printer
@6,10 say 'Paid Invoice Details - -'
@6,40 say mdesc
@6,60 say dateO()
@9,15 say 'Paid Invoice Total ...'
@9,53 say minvtotal picture '999,999,99.99'
@12,10 say '
list off to printer for a->s_no = s_nopoint .and. b->close = 'C' a->PO_NO, b->VENDOR, a->INV_NO, a->DESC
? ',
set device to screen
eject
set device to printer
@6,15 say 'Printed on:'
@6,35 say dateO()
@6,50 say mdesc
@9,15 say 'Total Budget Commitment ...
@9,53 say mcommitment picture '999,999,99.99'
@12,15 say 'Budget Allocation ...'
@12,53 say mallocation picture '999,999,99.99'
@17,15 say 'Projected Department Balance:'
@17,53 say mbalance picture '999,999,99.99'
@18,10 say '
set device to screen
eject
set relation to
select 8
skip
if eofO()
    delete all
    pack
    return
endif
enddo

if length = 2
select 4
find &entryval
if found()
    select 8
    find &entryval
    if found()
    clear
display for s_no = entry
store 'A' to anotherdel
do while anotherdel = 'A'
  store 'Q' to dels_no
  @10,10 say '(D)elete requested S_NO, (Q)uit' get dels_no picture 'X'
  read
  store UPPER(dels_no) to dels_no
  if dels_no = 'Q'
    exit
  endif
  if dels_no = 'D'
    delete
    pack
    exit
  endif
endo
else
  store 'C' to confirm
  @15,10 say '(C)onfirm, or any key' get confirm picture 'X'
  read
  if UPPER(confirm) = 'C'
    append blank
    replace h->s_no with entry
    replace h->desc with d->desc
  endif
else
  @13,0 say 'S_NO'
  @13,8 say entry
  @13,14 say 'is not on file.'
  @14,0 say ''
  wait
endif
endo
clear
@10,13 say 'Calculating S.NO Account Balances .. Do not interrupt.'
store 0 to schallocate, schpototal, schintotal, schgrand, schbalance
select 4
store 0 to s_no_number
count to s_no_number
store 1 to scounter
goto top
do while .not. eof()
@15,5 say scounter
@15,17 say 'of'
@15,19 say s_no_number
@15,32 say 'department balances calculating.'
store ' ' to response
response = d->s_no

select 2

select 3
set relation to po_no into poclose
store 0 to mpototal
sum to mpototal for c->s_no = response .and. b->close = 'O'
set relation to

select 1
set relation to po_no into poclose
store 0 to minvtotal
sum to minvtotal for a->s_no = response .and. b->close = 'C'
set relation to

schpototal = schpototal + mpototal

schintotal = schintotal + minvtotal
store 0 to mcommitment
mcommitment = mpototal + minvtotal

schgrand = schgrand + mcommitment
store 0 to mallocation
mallocation = d->allocation
schallocate = schallocate + mallocation
store 0 to mbalance

mbalance = mallocation - mcommitment
schbalance = schbalance + mbalance

select 7
use sumfile
append blank
replace s_no with response
replace desc with d->desc
replace allocation with mallocation
replace pototal with mpototal
replace invtotal with minvtotal
replace commitment with mcommitment
replace balance with mbalance
store '8 ' to retry
select 4

skip

scounter = scounter + 1

if eof()

select 7

store 'P' to lister

store 'R' to relister

do while relister = 'R'

clear

@10,15 say 'S_NO Account Balances Calculated'

@20,15 say '(P)rint, (S)creen listing, or any key to main menu' get lister picture 'X'

read

if UPPER(lister) <> 'P' .and. UPPER(lister) <> 'S'

select 7

use sumfile

delete all

pack

exit

endif

if UPPER(lister) = 'S'

clear

@1,25 say 'S_NO Account Balances -- Summary Form'

list all off S_NO, ALLOCATION, PCTOTAL, INVTOTAL, COMMITMENT, BALANCE

? ' ' ? ?'

? 'School Totals:

? ', schallocate picture '99999999.99', schpototal picture '99999999.99' AT 20, schintotal picture '99999999.99' AT 33, schgrand

? ', store 'R' to relister

wait

endif

if UPPER(lister) = 'P'

clear

@10,0 say 'Set printer to 17 pitch or use wide paper.'

wait

set device to printer

@1,15 say 'S_NO Account Balances -- Summary Form'

@1,60 say date()

@2,25 say ' ' ?

list all off to printer

@56,1 say 'School Totals:'

@53,1 say ' ' ? ' ' ?

@59,28 say schallocate picture '99999999.99'

@59,41 say schpototal picture '99999999.99'

@59,54 say schintotal picture '99999999.99'

@59,67 say schgrand picture '99999999.99'

@59,80 say schbalance picture '99999999.99'

@60,1 say ' ' ?

set device to screen

eject

store 'R' to relister

endif

endo

return

endo
**fs_no_det.prg** prints account details per s_no and projects all ending balances

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```plaintext
clear
@10,1 say 'This report goes directly to the printer.'
@13,1 say 'Set printer to 17 pitch or use wide paper.'
@15,13 say 'Do not interrupt.'
wait
clear
@10,8 say 'Calculating & Printing S_NO Account Details ... Do not interrupt.'
store 0 to schallocate, schpototal, schintotal, schgrand, schbalance
select 4
do while .not. eof()
  response = d->s_no
  select 3
    set relation to po_no into poclose
    store '' to mdesc
    mdesc = d->desc
    sum to apototal for c->s_no = response .and. b->close = '0'
    schpototal = schpototal + apototal
    set device to printer
    @6,10 say 'Purchase Order Details -- '
    @6,40 say mdesc
    @6,60 say date()
    @9,15 say 'Purchase Order Commitment ...'
    @9,53 say apototal picture '99999999.99'
    @12,10 say ''
    list off to printer for c->s_no = response .and. b->close = '0' c->PO_NO, b->VENDOR, b->DATE, c->DESC, c->S_NO, c->Y_NO, c->AMT
    set device to screen
    eject
set relation to
select 1
set relation to po_no into poclose
sum to minvtotal for a->s_no = response .and. b->close = 'C'
  schintotal = schintotal + minvtotal
  store 0 to mcommitment
  mcommitment = apototal + minvtotal
  schgrand = schgrand + mcommitment
  store 0 to mallocation
  mallocation = d->allocation
  schallocate = schallocate + mallocation
  store 0 to mbalance
  mbalance = mallocation - mcommitment
  schbalance = schbalance + mbalance
set device to printer
@6,10 say 'Paid Invoice Details -- '
@6,40 say mdesc
@6,60 say date()
@9,15 say 'Paid Invoice Total ...'
@9,53 say minvtotal picture '99999999.99'
@12,10 say ''
list off to printer for a->s_no = response .and. b->close = 'C' a->PO_NO, b->VENDOR, a->INV_NO, a->DESC, a->S_NO, a->Y_NO, a->AMT, b->C
set device to screen
eject
set device to printer
@6,15 say 'Printed on:'
```

```
say date()
say mdesc
'sTotal Budget Commitment . . .''
commitment picture '99999999.99'
say 'Budget Allocation . . . . . .'
'allocation picture '99999999.99'
'Projected Department Balance:'
'mbalance picture '99999999.99'
say 'Budget Allocation . . . . . .'
set device to screen
set relation to
select 7
use sumfile
append blank
replace s_no with response
replace desc with d->desc
replace allocation with allocation
replace pototal with mpototal
replace invtotal with minvtotal
replace commitment with commitment
replace balance with mbalance
store 'Q ' to retry
select 4
skip
if eof()
  select 7
clear
set device to printer
' S_NO Account Balances -- Summary Form'
say ' ' list all off to printer
' School Totals:'
Budget  PO  Total  INV  Total  Commitment  Balance'
schallocate picture '99999999.99'
schpototal picture '99999999.99'
schintotal picture '99999999.99'
schgrand picture '99999999.99'
schbalance picture '99999999.99'
set device to screen
eject
store 'R' to relister
delete all
pack
endif
enddo
close all
select 2
use poclose order cloindex
store 'Y' to tick
store 'A' to anothertick
  do while anothertick = 'A'
    store 'R' to retry
    do while retry = 'R'
    clear
    store 'Q' to response
  @2,10 say 'AccountAbility 2.0'
  @5,15 say '4 - Reconciliation - Tick off POs'
  @10,20 say 'Enter PO_NO, (Q)uit' get response picture '999999'
  read
  store trim(response) to response
  store len(response) to length
  if length < 6 .and. right(response,1) <> 'Q'
    @12,10 say 'Invalid PO_NO, (R)etry, or any key to menu' get retry picture 'X'
    read
    if UPPER(retry) <> 'R'
      close all
      return
    endif
    endif
  if right(response,1) = 'Q'
    close all
    return
  endif
  if length = 6
    find b=response
    if .not. found()
      @12,10 say 'Invalid PO_NO, (R)etry, or any key to menu' get retry picture 'X'
      read
      if UPPER(retry) <> 'R'
        close all
        return
      endif
      else
        store 'A' to anotherresp
        store 'Y' to tickresp
        do while anotherresp = 'A'
          @13,30 say 'Tick_Off = '
          @13,43 say b->tick_off
          @17,15 say '(Y)es to Tick_Off, (N)o, or any key to menu' get tickresp picture 'X'
          read
          store UPPER(tickresp) to tickresp
          if tickresp = 'Y' .or. tickresp = 'N'
            replace b->tick_off with tickresp
            exit
          endif
        endif
    endif
  enddo
#allocate.prg

store 'A' to again
do while again = 'A'
close all
store 'Q' to response1
clear
@2,10 say 'AccountAbility 2.0'
@5,10 say '5 - Create / Edit Distributions (allocate.prg)'
@10,10 say '(B)udget, (Y)ellowhead, (Q)uit' get response1 picture 'X'
read
if UPPER(response1) = 'Q'
    return
endif
if UPPER(response1) = 'B'
    do budget.prg
endif
if UPPER(response1) = 'Y'
    do ysd.prg
endif
enddo
*budget.prg creates school departments and allocations
*copyright John E. Percevault, Box 2236 - Edson, AB, July 87
select 4
use budget index budindex
select 3
use profile order pos_no
select 1
use invfile order invs_no
store 'R' to retry
do while 'R' = retry
store 'R' to invalidtry
do while invalidtry = 'R'
select 4
store ' ' to editrecords
store 0 to responseval
store 'Q' to response
clear
@2,10 say 'AccountAbility 2.0'
@5,10 say 'Create / Edit Budget Allocations (budget.prg)'
@10,10 say 'Enter S_NO, display All, (P)rint All, (Q)uit' get response picture 'NN'
read
responseval = response
store UPPERC(trimC(response)) to response
store len(response) to length
if length < 1
    @12,10 say 'Invalid entry, (R)etry, or any key to menu' get invalidtry picture 'X'
    read
    if UPPERC(invalidtry) <> 'R'
        close all
        return
    endif
endif
if right(response,1) = 'Q'
    close all
    return
else
    exit
endif
endo
do if response = 'D'
select 4
sum all to budtotal
clear
@1,10 say 'School Allocation Total:'
@1,40 say budtotal picture '999999999.99'
@3,10 say ' '
wait
display all off
wait
endif
do if response = 'P'
select 4
sum all to budtotal
set device to printer
@5,10 say 'School Allocation Total:'
@5,35 say budtotal picture '999999999.99'
@5,55 say date()
@6,10 say ' '
list all off to printer
set device to screen
do while editrecords = 'E'
  clear
  sum all to budtotal
  @1,0 say 'SCHOOL BUDGET ALLOCATION TOTAL: '
  @1,50 say budtotal
  @5,0 say 'DEPARTMENT BUDGET ON FILE: '
  display off for s_no = responseval
  @20,10 say 'E)dit S_NO, (D)elete S_NO, or any key to menu' get editrecords picture 'X'
  read
  if UPPER(editrecords) = 'E'
    do editbud
  endif
  if UPPER(editrecords) = 'D'
    select 3
    find &response
    if found()
      clear
      @17,10 say 'S_NO'
      @17,20 say responseval
      @17,23 say 'is on file with purchase order data. Can not delete!'
    @20,10 say '(R)etry, or any key to menu; then select 1 - Edit PO' get retry picture 'X'
    read
  endif
  enddo
if UPPER(retry) = 'R'  
exit  
endif  
if UPPER(retry) <> 'R'  
close all  
return  
endif  
endif  
select 1  
find &responseval  
if found()  
clear  
@17,10 say 'S_NO'  
@17,20 say &responseval  
@17,23 say 'is on file with invoice data. Can not delete!'  
@20,10 say 'R(etry, or any key to menu; then select 2 - Edit Invoice' get retry picture 'X'  
read  
if UPPER(retry) = 'R'  
exit  
endif  
if UPPER(retry) <> 'R'  
close all  
return  
endif  
endif  
if .not. found()  
select 4  
delete for d->s_no = &responseval  
pack  
clear  
sum all to budtotal  
@1,10 say 'School Allocation Total:'  
@1,40 say budtotal  
@3,10 say ''  
display all off  
wait  
endif  
endif  
store 'R' to retry  
enddo  
enddo
*editbud allows editing of desc and allocation fields in budget.dbf
store space(69) to clearrline
store 'E' to editingbud
do while editingbud = 'E'
    store 'Q' to editor
    clear
    @3,25 say 'Edit Record to Budget'
    @5,10 say ' ' 
    display off for s_no = responseval
    find &responseval
    @15,5 say '(D)escription, (A)llocation, (Q)uit' get editor picture 'X'
    read
    @15,5 say clearline
    if UPPER(editor) = 'Q'
        return
    endif
    if UPPER(editor) = 'D'
        store ' ' to newdesc
        @15,10 say 'New Description: ' get newdesc picture 'XXXXXXXXXXXXXXXXXX'
        read
        replace desc with newdesc
        @15,5 say clearline
    endif
    if UPPER(editor) = 'A'
        store 0 to newvalue
        @15,10 say 'New Allocation: ' get newvalue picture '999999999999.99'
        read
        replace allocation with newvalue
        @15,1 say clearline
    endif
enddo
ysd.prg 05/24/89
*ysd.prg creates yellowhead departments
*copyright John E. Percevault, Box 2236 - Edson, AB, July 87
select 4
use ysdfile index ysdindex
select 3
use pofile order pay_no
select 1
use invfile order invy_no
store 'R' to retry
do while 'R' = retry
store 'R' to invalidtry
do while invalidtry = 'R'
select 4
store , to editrecords
store 0 to responseval
store , to response
clear
@2,10 say 'AccountAbility 2.0'
@5,10 say 'Create / Edit Division Accounts (ysd.prg)'
@10,10 say 'Enter Y_NO, (D)isplay All, (P)rint All, (Q)uit' get response picture 'NNNNNN'
read
responseval = response
store UPPER(trim(response)) to response
store len(response) to length
if length >= 5
exit
else
if response = 'P' .or. response = 'D' .or. response = 'Q'
exit
else
@12,10 say 'Invalid entry, (R)etry, or any key to menu' get invalidtry picture 'X'
read
if UPPER(invalidtry) <> 'R'
close all
return
endif
endif
enddo
if right(response,1) = 'Q'
close all
return
endif
if response = 'D'
select 4
clear
display all off Y_NO, DESC
wait
endif
if response = 'P'
select 4
set device to printer
@5,15 say 'Division Accounts on File:
@5,55 say date()
@7,10 say '
list Y_NO, DESC all off to printer
set device to screen
ejec
endif
if length = 5 .or. length = 6
find &responseval
  if found()
    store 'E' to editrecords
    @13,10 say 'Y_NO'
    @13,18 say responseval
    @13,29 say 'is currently on file.'
  @16,10 say 'E)dit Y_NO, or any key to menu' get editrecords
  read
    if UPPER(editrecords) = 'E'
      store 'E' to editrecords
    endif
  endif
  if .not. found() .and. response <> 'D'
    clear
    store 'C' to confirm
    @10,10 say 'Y_NO'
    @10,20 say responseval
    @13,10 say 'Enter department description:' get mdesc
    read
    @20,10 say 'C)onfirm department, or any key to menu' get confirm picture 'X'
    read
      if UPPER(confirm) = 'C'
        append blank
        replace y_no with response
        replace desc with mdesc
        store 'E' to editrecords
      endif
    endif
  endif
  do while editrecords = 'E'
    clear
    @1,0 say 'DIVISION DISTRIBUTION ON FILE:'
    @5,0 say ' ' 
    display Y_NO, DESC off for y_no = responseval
    @20,10 say 'E)dit Y_NO, (D)elete Y_NO, or any key to menu' get editrecords picture 'X'
    read
      if UPPER(editrecords) = 'E'
        do editysd
      endif
      if UPPER(editrecords) = 'D'
        select 3
        find &responseval
          if found()
            clear
            @17,10 say 'Y_NO'
            @17,16 say responseval
          @17,23 say 'is on file with purchase order data. Can not delete!'
        @20,10 say 'R)etry, or any key to menu; then select 1 - Edit PO' get retry picture 'X'
        read
          if UPPER(retry) = 'R'
            exit
          endif
          if UPPER(retry) <> 'R'
            close all
            return
          endif
        endif
        select 1
        find &responseval
if found()
clear
@17,10 say 'Y_NO'
@17,16 say responseval
@17,23 say 'is on file with invoice data. Can not delete!'  
@20,10 say '(R)etry, or any key to menu; then select 2 - Edit Invoice' get retry picture 'X'
read
  if UPPER(retry) = 'R'
    exit
  endif
  if UPPER(retry) <> 'R'
    close all
    return
  endif
endif
if .not. found()
select 4
delete for d->y_no = responseval
pack
endif
store 'R' to retry
enddo
enddo
editysd.prg
05/24/89

*editbud allows editing of desc and allocation fields in budget.dbf
store space(69) to clearline
store 'E' to editbud
do while editbud = 'E'
    store 'Q' to editor
    clear
    @3,25 say 'Edit Record to Division Distribution'
    @6,10 say ''
    display Y_NO, DESC off for y_no = responseval
    find &responseval
    @15,5 say '(D)escription, (Q)uit' get editor picture 'X'
    read
    @15,5 say clearline
    if UPPER(editor) = 'Q'
        return
    endif
    if UPPER(editor) = 'D'
        store '' to newdesc
        @15,10 say 'New Description: ' get newdesc picture 'XXXXXXXXXXXXXXXXXXXX'
        read
        replace desc with newdesc
        @15,5 say clearline
    endif
endo
close all
store ' ' to backdata
store 'A' to another
do while another = 'A'
store 'Q' to response
clear
@2,10 say ' AccountAbility 2.0'
@5,10 say ' 6 - Utilities (utility.dbol)' 
@8,20 say 'Select: (B)ackup current year'
@10,20 say ' (S)et up new fiscal year'
@12,20 say ' (I)nstall program updates'
@14,20 say ' (R)estore required fiscal year'
@16,20 say ' (D)uit'
@19,20 say 'Enter selection: ' get response
read
store UPPER(response) to response
if response = 'Q'
return
endif
if response = 'B'
clear
store 'A' to anothercon
do while anothercon = 'A'
store 'C' to confirm
@10,10 say 'Place a formatted data disk in drive A.'
@15,10 say '(C)onfirm, or any key to menu.' get confirm picture 
read
if UPPER(confirm) <> 'C'
exit
else
    copy file invfile.dbf to a:\invfile.dbf/v
    copy file ysdfile.dbf to a:\ysdfile.dbf/v
    copy file poclose.dbf to a:\poclose.dbf/v
    copy file pofile.dbf to a:\pofile.dbf/v
    copy file budget.dbf to a:\budget.dbf/v
    copy file sunfile.dbf to a:\sunfile.dbf/v
    copy file s_no_req.dbf to a:\s_no_req.dbf/v
    copy file budindex.ndx to a:\budindex.ndx/v
    copy file ysdindex.ndx to a:\ysdindex.ndx/v
    copy file pofile.mdx to a:\pofile.mdx/v
    copy file poclose.mdx to a:\poclose.mdx/v
    copy file invfile.mdx to a:\invfile.mdx/v
    copy file s_no_req.mdx to a:\s_no_req.mdx/v
store 'B' to backdata
exit
endif
enddo
endif
if response = 'S'
clear
if backdata <> 'B'
@10,0 say 'Complete a current backup of data before'
@12,0 say 'Attempting this option.'
@13,0 say ' '
wait
else
    store 'A' to anothercon
do while anothercon = 'A'
    store 'C' to confirm
    @5,20 say 'Set up for New Fiscal Year'
enddo

Utility.prg 05/24/89

08,10 say 'This routine erases ALL purchase order and'
09,10 say 'invoice data. On completion, edit as required'
10,10 say 'the budget and ysd files to reflect new allocations'
11,10 say 'or account codes for the new fiscal year.'
14,10 say '(C)onfirm, or any key to menu.' get confirm picture 'X'
read
if UPPER(confirm) <> 'C'
    exit
else
    select 1
    use pclose
    delete all
    pack
    use pofile
    delete all
    pack
    use invfile
    delete all
    pack
    close all
    clear
10,0 say 'Purchase order and data files erased.'
11,0 say 'To start the new year, edit the budget'
12,0 say 'and ysd files as required.'
13,0 say '
    wait
    exit
endif
endif
enddo
endif

if response = 'I'
clear
store 'A' to anothercon
do while anothercon = 'A'
store 'C' to confirm
10,10 say 'Place the update program disk in drive A.'
15,10 say '(C)onfirm, or any key to menu.' get confirm picture 'X'
read
if UPPER(confirm) <> 'C'
    exit
else
    erase s_no_det.prg
    erase poenter.prg
    erase appendin.prg
    erase appendpo.prg
    erase pclose.prg
    erase s_no_sum.prg
    erase budget.prg
    erase editin.prg
    erase editpo.prg
    erase ysd.prg
    erase menu.prg
    erase utility.prg
    erase allocate.prg
    erase editysd.prg
    erase editbud.prg
    erase jour_po.prg
    erase journals.prg
    erase inventor.prg

erase jour_inv.prg
erase s_no_bal.prg
erase s_no_one.prg
erase printpo.prg
erase updatein.prg
erase jour_com.prg
erase comprint.prg
erase deletere.prg
erase printin.prg
erase dataent.prg
erase fileedit.prg
erase s_no_req.prg
erase s_no_det.dbo
erase poinent.dbo
erase appendin.dbo
erase appendpo.dbo
erase poclose.dbo
erase s_no_summary.dbo
erase budget.dbo
erase editin.dbo
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erase jour_inv.dbo
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exit
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endif

if response = 'R'
clear
if backdata <> 'B'
@10,0 say 'Complete a current backup of data before'
@12,0 say 'attempting this option.'
@13,0 say ''
wait
else
store 'A' to anothercon
do while anothercon = 'A'
store 'C' to confirm
@10,10 say 'Place the required fiscal year data disk in drive A.'
@15,10 say '(C)onfirm, or any key to menu.' get confirm picture 'X'
read
if UPPER(confirm) <> 'C'
exit
else
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erase ysdfile.dbf
erase pclose.dbf
erase pofile.dbf
erase budget.dbf
erase sumfile.dbf
erase s_no_req.dbf
erase budindex.ndx
erase ysdindex.ndx
erase pofile.mdx
erase pofile.illd~
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