

IDENTIFICATION DIVISION.

PROGRAM-ID. LOAD03N.

DATE-WRITTEN. AUGUST, 2025.

DATE-COMPILED.

REMARKS. LOAD RECORDS FROM TAPE INTO ESDS CLUSTER,
 CREATE FIELDS TO BECOME ALTERNATE INDEXES,
 REPORT INCLUDES RECORDS LOADED AND ERRORS ENCOUNTERED.

ENVIRONMENT DIVISION.

INPUT-OUTPUT SECTION.

FILE-CONTROL.

SELECT SALES-HISTORY-DATA

ASSIGN TO SALESI.

SELECT SALES-HISTORY-FILE

ASSIGN TO AS-SALESO

ORGANIZATION IS SEQUENTIAL

ACCESS MODE IS SEQUENTIAL

FILE STATUS IS SALESO-STATUS.

SELECT REPORT-FILE

ASSIGN TO S-REPORT.

DATA DIVISION.

FILE SECTION.

FD SALES-HISTORY-DATA

LABEL RECORDS STANDARD

RECORD CONTAINS 110 CHARACTERS

BLOCK CONTAINS 0 RECORDS

DATA RECORD IS SALES-DATA-RECORD.

01 SALES-DATA-RECORD.

02 SDR-DATE PIC 9(08).

02 FILLER REDEFINES SDR-DATE.

03 SDR-DATE-Y PIC 9(04).

03 SDR-DATE-M PIC 9(02).

03 SDR-DATE-D PIC 9(02).

02 SDR-TIME PIC 9(04).

02 SDR-TRACE PIC 9(04).

02 SDR-TYPE PIC 9(03).

02 SDR-DESCRIPTION PIC X(40).

02 SDR-GROSS PIC S9(5)V99.

02 SDR-DISCOUNT PIC V99.

02 SDR-NET PIC S9(5)V99.

02 SDR-CUSTOMER PIC X(35).

FD SALES-HISTORY-FILE

IDENTIFICATION DIVISION.

PROGRAM-ID. LOAD03V.

DATE-WRITTEN. AUGUST, 2025.

DATE-COMPILED.

REMARKS. LOAD RECORDS FROM TAPE INTO ESDS CLUSTER,
 CREATE FIELDS TO BECOME ALTERNATE INDEXES,
 REPORT INCLUDES RECORDS LOADED AND ERRORS ENCOUNTERED.

ENVIRONMENT DIVISION.

INPUT-OUTPUT SECTION.

FILE-CONTROL.

SELECT SALES-HISTORY-DATA

ASSIGN TO UT-S-SALESI.

SELECT REPORT-FILE

ASSIGN TO UR-S-REPORT.

DATA DIVISION.

FILE SECTION.

FD SALES-HISTORY-DATA

LABEL RECORDS STANDARD

RECORD CONTAINS 110 CHARACTERS

BLOCK CONTAINS 0 RECORDS

DATA RECORD IS SALES-DATA-RECORD.

01 SALES-DATA-RECORD.

02 SDR-DATE PIC 9(08).

02 FILLER REDEFINES SDR-DATE.

03 SDR-DATE-Y PIC 9(04).

03 SDR-DATE-M PIC 9(02).

03 SDR-DATE-D PIC 9(02).

02 SDR-TIME PIC 9(04).

02 SDR-TRACE PIC 9(04).

02 SDR-TYPE PIC 9(03).

02 SDR-DESCRIPTION PIC X(40).

02 SDR-GROSS PIC S9(5)V99.

02 SDR-DISCOUNT PIC V99.

02 SDR-NET PIC S9(5)V99.

02 SDR-CUSTOMER PIC X(35).

FD REPORT-FILE

LABEL RECORDS STANDARD	LABEL RECORDS OMITTED
RECORD CONTAINS 118 CHARACTERS	REPORT IS LOAD-REPORT.
DATA RECORD IS SALES-HISTORY-RECORD.	
	WORKING-STORAGE SECTION.

```

01 SALES-HISTORY-RECORD.
  02 SHR-DATE          PIC 9(08).
  02 SHR-TYPE          PIC 9(03).
  02 SHR-DESCRIPTION   PIC X(40).
  02 SHR-GROSS         PIC S9(5)V99 COMP-3.
  02 SHR-DISCOUNT      PIC V99.
  02 SHR-NET           PIC S9(5)V99 COMP-3.
  02 SHR-ALTSEQ-FIELD-1.
    03 SHR-A1-CUSTOMER PIC X(35).
    03 SHR-A1-TYPE     PIC 9(03).
    03 SHR-A1-RRN      PIC S9(8) COMP.
  02 SHR-ALTSEQ-FIELD-2.
    03 SHR-A2-DATE     PIC 9(08).
    03 SHR-A2-TYPE     PIC 9(03).
    03 SHR-A2-RRN      PIC S9(8) COMP.

```

```

FD REPORT-FILE
  LABEL RECORDS STANDARD
  REPORT IS LOAD-REPORT.

WORKING-STORAGE SECTION.

```

```

01 SALES-DATA-FILE-EOF-SW PIC X VALUE 'N'.
88 SALES-DATA-FILE-EOF   VALUE 'Y'.

```

```

01 SALES0-STATUS          PIC X(02).
01 WS-STATUS-MESSAGE     PIC X(40).

```

```

01 Y2K-GETD-PARAMETERS.
  02 Y2K-GETDP-DATE-G    PIC 9(8).
  02 Y2K-GETDP-DATE-J    PIC 9(7).
  02 Y2K-GETDP-ANUM      PIC S9(7).
  02 Y2K-GETDP-CLOCK     PIC 9(8).
  02 FILLER              REDEFINES Y2K-GETDP-CLOCK.
    03 Y2K-GETDP-CLOCK-HH PIC 9(2).
    03 Y2K-GETDP-CLOCK-MM PIC 9(2).
    03 Y2K-GETDP-CLOCK-SS PIC 9(2).
    03 Y2K-GETDP-CLOCK-T  PIC 9(1).
    03 Y2K-GETDP-CLOCK-H  PIC 9(1).
  02 Y2K-GETDP-CLOCK12   PIC X(11).

```

```
01 Y2K-DFMT-PARAMETERS.
```

```

01 VSIO-PARAMETER-VALUES COPY VSAMIO.
01 SALES0                  COPY VSAMIOFB.

01 SALES-HISTORY-RECORD.
  02 SHR-DATE          PIC 9(08).
  02 SHR-TYPE          PIC 9(03).
  02 SHR-DESCRIPTION   PIC X(40).
  02 SHR-GROSS         PIC S9(5)V99 COMP-3.
  02 SHR-DISCOUNT      PIC V99.
  02 SHR-NET           PIC S9(5)V99 COMP-3.
  02 SHR-ALTSEQ-FIELD-1.
    03 SHR-A1-CUSTOMER PIC X(35).
    03 SHR-A1-TYPE     PIC 9(03).
    03 SHR-A1-RRN      PIC S9(8) COMP.
  02 SHR-ALTSEQ-FIELD-2.
    03 SHR-A2-DATE     PIC 9(08).
    03 SHR-A2-TYPE     PIC 9(03).
    03 SHR-A2-RRN      PIC S9(8) COMP.

```

```

01 SALES-DATA-FILE-EOF-SW PIC X VALUE 'N'.
88 SALES-DATA-FILE-EOF   VALUE 'Y'.

```

```
01 WS-STATUS-MESSAGE     PIC X(40).
```

```

01 Y2K-GETD-PARAMETERS.
  02 Y2K-GETDP-DATE-G    PIC 9(8).
  02 Y2K-GETDP-DATE-J    PIC 9(7).
  02 Y2K-GETDP-ANUM      PIC S9(7).
  02 Y2K-GETDP-CLOCK     PIC 9(8).
  02 FILLER              REDEFINES Y2K-GETDP-CLOCK.
    03 Y2K-GETDP-CLOCK-HH PIC 9(2).
    03 Y2K-GETDP-CLOCK-MM PIC 9(2).
    03 Y2K-GETDP-CLOCK-SS PIC 9(2).
    03 Y2K-GETDP-CLOCK-T  PIC 9(1).
    03 Y2K-GETDP-CLOCK-H  PIC 9(1).
  02 Y2K-GETDP-CLOCK12   PIC X(11).

```

```
01 Y2K-DFMT-PARAMETERS.
```

```

02 Y2K-DFMTP-DATEIN      PIC X(8).
02 Y2K-DFMTP-MAJOR        PIC X(1).
02 Y2K-DFMTP-MINOR        PIC X(1).
02 Y2K-DFMTP-RETURN-CODE  PIC 9(1).
02 Y2K-DFMTP-OUTPUT-SIZE  PIC S9(2).
02 Y2K-DFMTP-OUTPUT        PIC X(29).

01 EXEC-TIME-SW           PIC X    VALUE 'S'.
88 REQUESTED-SUMMARY      VALUE 'S'.
88 REQUESTED-DETAIL       VALUE 'D'.

```

```

01 INPUT-COUNT            PIC 9(8) VALUE 0.
01 ERROR-COUNT            PIC 9(8) VALUE 0.
01 OUTPUT-COUNT           PIC 9(8) VALUE 0.

```

LINKAGE SECTION.

```

01 EXEC-PARM-BUFFER.
02 EXEC-PARM-LENGTH       PIC S9(04) COMP.
02 EXEC-PARM-DATA         PIC X(80).
02 FILLER                 REDEFINES EXEC-PARM-DATA.
03 EXEC-PARM-TEST         PIC X(06).
03 FILLER                 PIC X(72).

```

REPORT SECTION.

```

RD LOAD-REPORT
PAGE LIMIT IS 66 LINES
HEADING 2
FIRST DETAIL 6
LAST DETAIL 65.

```

```
01 PAGE-HEAD-GROUP TYPE PAGE HEADING.
```

```

02 LINE 2.
03 COLUMN 01 PIC X(10) SOURCE Y2K-DFMTP-OUTPUT.
03 COLUMN 15 PIC X(03) VALUE '(N)'.
03 COLUMN 25 PIC X(09) VALUE 'Discovery'.
03 COLUMN 36 PIC X(04) VALUE 'Nook'.
03 COLUMN 42 PIC X(05) VALUE 'Sales'.
03 COLUMN 49 PIC X(07) VALUE 'History'.
03 COLUMN 71 PIC X(04) VALUE 'Page'.
03 COLUMN 76 PIC Z,ZZ9 SOURCE PAGE-COUNTER.

```

```

02 LINE 3.
03 COLUMN 01 PIC X(11) SOURCE Y2K-GETDP-CLOCK12.
03 COLUMN 28 PIC X(11) VALUE 'Transaction'.
03 COLUMN 41 PIC X(04) VALUE 'Load'.
03 COLUMN 47 PIC X(06) VALUE 'Report'.

```

```

02 LINE 4.
03 COLUMN 01 PIC X(10) VALUE 'Sales Date'.
03 COLUMN 13 PIC X(04) VALUE 'Type'.

```

```

02 Y2K-DFMTP-DATEIN      PIC X(8).
02 Y2K-DFMTP-MAJOR        PIC X(1).
02 Y2K-DFMTP-MINOR        PIC X(1).
02 Y2K-DFMTP-RETURN-CODE  PIC 9(1).
02 Y2K-DFMTP-OUTPUT-SIZE  PIC S9(2).
02 Y2K-DFMTP-OUTPUT        PIC X(29).

01 EXEC-TIME-SW           PIC X    VALUE 'S'.
88 REQUESTED-SUMMARY      VALUE 'S'.
88 REQUESTED-DETAIL       VALUE 'D'.

```

```

01 INPUT-COUNT            PIC 9(8) VALUE 0.
01 ERROR-COUNT            PIC 9(8) VALUE 0.
01 OUTPUT-COUNT           PIC 9(8) VALUE 0.

```

LINKAGE SECTION.

```

01 EXEC-PARM-BUFFER.
02 EXEC-PARM-LENGTH       PIC S9(04) COMP.
02 EXEC-PARM-DATA         PIC X(80).
02 FILLER                 REDEFINES EXEC-PARM-DATA.
03 EXEC-PARM-TEST         PIC X(06).
03 FILLER                 PIC X(72).

```

REPORT SECTION.

```

RD LOAD-REPORT
PAGE LIMIT IS 66 LINES
HEADING 2
FIRST DETAIL 6
LAST DETAIL 65.

```

```
01 PAGE-HEAD-GROUP TYPE PAGE HEADING.
```

```

02 LINE 2.
03 COLUMN 01 PIC X(10) SOURCE Y2K-DFMTP-OUTPUT.
03 COLUMN 15 PIC X(03) VALUE '(V)'.
03 COLUMN 25 PIC X(09) VALUE 'Discovery'.
03 COLUMN 36 PIC X(04) VALUE 'Nook'.
03 COLUMN 42 PIC X(05) VALUE 'Sales'.
03 COLUMN 49 PIC X(07) VALUE 'History'.
03 COLUMN 71 PIC X(04) VALUE 'Page'.
03 COLUMN 76 PIC Z,ZZ9 SOURCE PAGE-COUNTER.

```

```

02 LINE 3.
03 COLUMN 01 PIC X(11) SOURCE Y2K-GETDP-CLOCK12.
03 COLUMN 28 PIC X(11) VALUE 'Transaction'.
03 COLUMN 41 PIC X(04) VALUE 'Load'.
03 COLUMN 47 PIC X(06) VALUE 'Report'.

```

```

02 LINE 4.
03 COLUMN 01 PIC X(10) VALUE 'Sales Date'.
03 COLUMN 13 PIC X(04) VALUE 'Type'.

```

load03n - load03v

```
      03 COLUMN 20 PIC X(05) VALUE ' Net '.
      03 COLUMN 41 PIC X(08) VALUE 'Customer'.

01 LOAD-DETAIL TYPE DETAIL.
  02 LINE PLUS 1.
    03 COLUMN 01 PIC 9(04) SOURCE SDR-DATE-Y.
    03 COLUMN 05 PIC X(01) VALUE '/'.
    03 COLUMN 06 PIC 9(02) SOURCE SDR-DATE-M.
    03 COLUMN 08 PIC X(01) VALUE '/'.
    03 COLUMN 09 PIC 9(02) SOURCE SDR-DATE-D.
    03 COLUMN 13 PIC 9(03) SOURCE SDR-TYPE.
    03 COLUMN 18 PIC $ZZZZZ.99BCR SOURCE SDR-NET.
    03 COLUMN 31 PIC X(35) SOURCE SDR-CUSTOMER.
    03 COLUMN 67 PIC X(40) SOURCE WS-STATUS-MESSAGE.

01 LOAD-SUMMARY TYPE DETAIL.
  02 LINE PLUS 3.
    03 COLUMN 05 PIC ZZ,ZZZ,ZZ9 SOURCE INPUT-COUNT.
    03 COLUMN 16 PIC X(30) VALUE
      'Records read from SALESI'.
  02 LINE PLUS 1.
    03 COLUMN 05 PIC ZZ,ZZZ,ZZ9 SOURCE ERROR-COUNT.
    03 COLUMN 16 PIC X(30) VALUE
      'Records not written (errors)'.
  02 LINE PLUS 1.
    03 COLUMN 05 PIC ZZ,ZZZ,ZZ9 SOURCE OUTPUT-COUNT.
    03 COLUMN 16 PIC X(30) VALUE
      'Records written to SALES0'.
```

PROCEDURE DIVISION USING EXEC-PARM-BUFFER.

0000-MAIN SECTION.

0000-CHECK-PARM.

```
IF EXEC-PARM-LENGTH = 0
  PERFORM 1100-PROCESS-SALES-DATA
```

```
ELSE
  IF EXEC-PARM-LENGTH = 6
    IF EXEC-PARM-TEST = 'DETAIL'
      MOVE 'D' TO EXEC-TIME-SW
      PERFORM 1100-PROCESS-SALES-DATA
```

```
ELSE
  DISPLAY '*** EXEC PARM LENGTH='
    EXEC-PARM-LENGTH
    ' ***'
  DISPLAY '*** EXEC PARM='
```

```
      03 COLUMN 20 PIC X(05) VALUE ' Net '.
      03 COLUMN 41 PIC X(08) VALUE 'Customer'.

01 LOAD-DETAIL TYPE DETAIL.
  02 LINE PLUS 1.
    03 COLUMN 01 PIC 9(04) SOURCE SDR-DATE-Y.
    03 COLUMN 05 PIC X(01) VALUE '/'.
    03 COLUMN 06 PIC 9(02) SOURCE SDR-DATE-M.
    03 COLUMN 08 PIC X(01) VALUE '/'.
    03 COLUMN 09 PIC 9(02) SOURCE SDR-DATE-D.
    03 COLUMN 13 PIC 9(03) SOURCE SDR-TYPE.
    03 COLUMN 18 PIC $ZZZZZ.99BCR SOURCE SDR-NET.
    03 COLUMN 31 PIC X(35) SOURCE SDR-CUSTOMER.
    03 COLUMN 67 PIC X(40) SOURCE WS-STATUS-MESSAGE.

01 LOAD-SUMMARY TYPE DETAIL.
  02 LINE PLUS 3.
    03 COLUMN 05 PIC ZZ,ZZZ,ZZ9 SOURCE INPUT-COUNT.
    03 COLUMN 16 PIC X(30) VALUE
      'Records read from SALESI'.
  02 LINE PLUS 1.
    03 COLUMN 05 PIC ZZ,ZZZ,ZZ9 SOURCE ERROR-COUNT.
    03 COLUMN 16 PIC X(30) VALUE
      'Records not written (errors)'.
  02 LINE PLUS 1.
    03 COLUMN 05 PIC ZZ,ZZZ,ZZ9 SOURCE OUTPUT-COUNT.
    03 COLUMN 16 PIC X(30) VALUE
      'Records written to SALES0'.
```

PROCEDURE DIVISION USING EXEC-PARM-BUFFER.

0000-MAIN SECTION.

0000-CHECK-PARM.

```
IF EXEC-PARM-LENGTH = 0
  PERFORM 1100-PROCESS-SALES-DATA
```

```
ELSE
  IF EXEC-PARM-LENGTH = 6
    IF EXEC-PARM-TEST = 'DETAIL'
      MOVE 'D' TO EXEC-TIME-SW
      PERFORM 1100-PROCESS-SALES-DATA
```

```
THRU 1199-EXIT
ELSE
  DISPLAY '*** EXEC PARM LENGTH='
    EXEC-PARM-LENGTH
    ' ***'
  DISPLAY '*** EXEC PARM='
```

```

EXEC-PARM-DATA
' *** '
MOVE +12 TO RETURN-CODE
ELSE
  DISPLAY '*** EXEC PARM LENGTH='
    EXEC-PARM-LENGTH
    ' *** '
  DISPLAY '*** EXEC PARM='
    EXEC-PARM-DATA
    ' *** '
  MOVE +12 TO RETURN-CODE.

GOBACK.

1000-LEVEL-1-ROUTINES SECTION.

1100-PROCESS-SALES-DATA.

CALL 'Y2KGETD' USING Y2K-GETD-PARAMETERS.
MOVE Y2K-GETDP-DATE-G TO Y2K-DFMTP-DATEIN.
MOVE '1' TO Y2K-DFMTP-MAJOR.
MOVE '3' TO Y2K-DFMTP-MINOR.
CALL 'Y2KDFMT' USING Y2K-DFMT-PARAMETERS.

```

```

OPEN INPUT SALES-HISTORY-DATA,
  OUTPUT SALES-HISTORY-FILE,
  REPORT-FILE.

```

INITIATE LOAD-REPORT.

PERFORM 2100-READ-HISTORY-TAPE

```

EXEC-PARM-DATA
' *** '
MOVE +12 TO RETURN-CODE
ELSE
  DISPLAY '*** EXEC PARM LENGTH='
    EXEC-PARM-LENGTH
    ' *** '
  DISPLAY '*** EXEC PARM='
    EXEC-PARM-DATA
    ' *** '
  MOVE +12 TO RETURN-CODE.

GOBACK.

1000-LEVEL-1-ROUTINES SECTION.

1100-PROCESS-SALES-DATA.

```

```

CALL 'Y2KGETD' USING Y2K-GETD-PARAMETERS.
MOVE Y2K-GETDP-DATE-G TO Y2K-DFMTP-DATEIN.
MOVE '1' TO Y2K-DFMTP-MAJOR.
MOVE '3' TO Y2K-DFMTP-MINOR.
CALL 'Y2KDFMT' USING Y2K-DFMT-PARAMETERS.

```

```

OPEN INPUT SALES-HISTORY-DATA,
  OUTPUT REPORT-FILE.

```

```

MOVE 'SALES0' TO VSIO-DDNAME.
MOVE VSIO-ESDS TO VSIO-ORGANIZATION.
MOVE VSIO-SEQUENTIAL TO VSIO-ACCESS.
MOVE VSIO-OUTPUT TO VSIO-MODE.
MOVE +118 TO VSIO-RECORD-LENGTH.
MOVE VSIO-OPEN TO VSIO-COMMAND.
CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, SALES0,
  SALES-HISTORY-RECORD.

```

```

IF NOT VSIO-SUCCESS
  DISPLAY 'VSAMIO ERROR OCCURRED DURING '
    VSIO-COMMAND
  EXHIBIT NAMED VSIO-RETURN-CODE,
  EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
    VSIO-VSAM-FUNCTION-CODE,
    VSIO-VSAM-FEEDBACK-CODE
  MOVE +12 TO RETURN-CODE
  STOP RUN.

```

INITIATE LOAD-REPORT.

PERFORM 2100-READ-HISTORY-TAPE
THRU 2199-EXIT

UNTIL SALES-DATA-FILE-EOF.

GENERATE LOAD-SUMMARY.
TERMINATE LOAD-REPORT.

UNTIL SALES-DATA-FILE-EOF.

GENERATE LOAD-SUMMARY.
TERMINATE LOAD-REPORT.

MOVE VSIO-CLOSE TO VSIO-COMMAND.
CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, SALESO,
SALES-HISTORY-RECORD.
IF NOT VSIO-SUCCESS
DISPLAY 'VSAMIO ERROR OCCURRED DURING '
VSIO-COMMAND
EXHIBIT NAMED VSIO-RETURN-CODE,
EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
VSIO-VSAM-FUNCTION-CODE,
VSIO-VSAM-FEEDBACK-CODE
MOVE +12 TO RETURN-CODE.

CLOSE SALES-HISTORY-DATA,
SALES-HISTORY-FILE,
REPORT-FILE.

CLOSE SALES-HISTORY-DATA,
REPORT-FILE.

1199-EXIT.
EXIT.

2000-LEVEL-2-ROUTINES SECTION.

2000-LEVEL-2-ROUTINES SECTION.

2100-READ-HISTORY-TAPE.

2100-READ-HISTORY-TAPE.

READ SALES-HISTORY-DATA
AT END MOVE 'Y' TO SALES-DATA-FILE-EOF-SW.

READ SALES-HISTORY-DATA
AT END MOVE 'Y' TO SALES-DATA-FILE-EOF-SW.

IF NOT SALES-DATA-FILE-EOF
PERFORM 3100-PROCESS-HISTORY-DATA.

IF NOT SALES-DATA-FILE-EOF
PERFORM 3100-PROCESS-HISTORY-DATA
THRU 3199-EXIT.

2199-EXIT.
EXIT.

3000-LEVEL-3-ROUTINES SECTION.

3000-LEVEL-3-ROUTINES SECTION.

3100-PROCESS-HISTORY-DATA.

3100-PROCESS-HISTORY-DATA.

ADD 1 TO INPUT-COUNT.

ADD 1 TO INPUT-COUNT.

MOVE SDR-DATE TO SHR-DATE.
MOVE SDR-TYPE TO SHR-TYPE.
MOVE SDR-DESCRIPTION TO SHR-DESCRIPTION.
MOVE SDR-GROSS TO SHR-GROSS.
MOVE SDR-DISCOUNT TO SHR-DISCOUNT.

MOVE SDR-DATE TO SHR-DATE.
MOVE SDR-TYPE TO SHR-TYPE.
MOVE SDR-DESCRIPTION TO SHR-DESCRIPTION.
MOVE SDR-GROSS TO SHR-GROSS.
MOVE SDR-DISCOUNT TO SHR-DISCOUNT.

load03n - load03v

```
MOVE SDR-NET TO SHR-NET.
MOVE SDR-CUSTOMER TO SHR-A1-CUSTOMER.
MOVE SDR-TYPE TO SHR-A1-TYPE.
MOVE INPUT-COUNT TO SHR-A1-RRN.
MOVE SDR-DATE TO SHR-A2-DATE
MOVE SDR-TYPE TO SHR-A2-TYPE.
MOVE INPUT-COUNT TO SHR-A2-RRN.
```

```
MOVE SDR-NET TO SHR-NET.
MOVE SDR-CUSTOMER TO SHR-A1-CUSTOMER.
MOVE SDR-TYPE TO SHR-A1-TYPE.
MOVE INPUT-COUNT TO SHR-A1-RRN.
MOVE SDR-DATE TO SHR-A2-DATE
MOVE SDR-TYPE TO SHR-A2-TYPE.
MOVE INPUT-COUNT TO SHR-A2-RRN.
```

```
WRITE SALES-HISTORY-RECORD.
```

```
IF SALES0-STATUS = '00'
```

```
    ADD 1 TO OUTPUT-COUNT
    MOVE 'Record added'
      TO WS-STATUS-MESSAGE
```

```
ELSE
```

```
    ADD 1 TO ERROR-COUNT
    MOVE 'Bad status on record write'
      TO WS-STATUS-MESSAGE.
```

```
MOVE VSIO-WRITE TO VSIO-COMMAND.
CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, SALES0,
  SALES-HISTORY-RECORD.
```

```
IF VSIO-SUCCESS
```

```
    ADD 1 TO OUTPUT-COUNT
    MOVE 'Record added'
      TO WS-STATUS-MESSAGE
```

```
ELSE
```

```
    IF VSIO-NO-MORE-SPACE
```

```
        ADD 1 TO ERROR-COUNT
        MOVE 'No more space in cluster'
          TO WS-STATUS-MESSAGE
```

```
    ELSE
```

```
        DISPLAY 'VSAMIO ERROR OCCURRED DURING '
          VSIO-COMMAND
        EXHIBIT NAMED VSIO-RETURN-CODE,
        EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
          VSIO-VSAM-FUNCTION-CODE,
          VSIO-VSAM-FEEDBACK-CODE
        MOVE +12 TO RETURN-CODE
        STOP RUN.
```

```
IF REQUESTED-DETAIL
```

```
OR (SALES0-STATUS NOT = '00')
```

```
    GENERATE LOAD-DETAIL.
```

```
IF REQUESTED-DETAIL
```

```
AND VSIO-SUCCESS
```

```
    GENERATE LOAD-DETAIL
```

```
ELSE
```

```
    IF VSIO-NO-MORE-SPACE
```

```
        GENERATE LOAD-DETAIL.
```

```
3199-EXIT.
```

```
EXIT.
```