

J E S 2 J O B L O G

10.27.45 JOB 169 \$HASP373 READ01VC STARTED - INIT 1 - CLASS A - SYS HMVS
10.27.45 JOB 169 IEF403I READ01VC - STARTED - TIME=10.27.45
10.27.45 JOB 169 IEC130I SYSPUNCH DD STATEMENT MISSING
10.27.45 JOB 169 IEC130I SYSPUNCH DD STATEMENT MISSING
10.27.45 JOB 169 IEFACTRT COB /IKFCBL00/00:00:00.06/00:00:00.12/00000/READ01VC
10.27.45 JOB 169 IEFACTRT LKED /IEWL /00:00:00.02/00:00:00.04/00000/READ01VC
10.27.45 JOB 169 IEF404I READ01VC - ENDED - TIME=10.27.45
10.27.45 JOB 169 \$HASP395 READ01VC ENDED

----- JES2 JOB STATISTICS -----

06 AUG 25 JOB EXECUTION DATE

9 CARDS READ

767 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.00 MINUTES EXECUTION TIME

1

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00001 IDENTIFICATION DIVISION.
00002 PROGRAM-ID. READ01V.
00003 DATE-WRITTEN. JULY, 2025.
00004 DATE-COMPILED. AUG 6, 2025.
00005 REMARKS. READ VSAM KSDS CLUSTER VIA PRIMARY AND ALTERNATE KEY,
00006 PRODUCE REPORT BASED UPON EXEC TIME PARAMETER.
00007
00008 ENVIRONMENT DIVISION.
00009 INPUT-OUTPUT SECTION.
00010 FILE-CONTROL.
00011
00012 SELECT REPORT-FILE
00013 ASSIGN TO UR-S-REPORT.
00014
00015 DATA DIVISION.
00016 FILE SECTION.
00017
00018 FD REPORT-FILE
00019 LABEL RECORDS OMITTED
00020 REPORTS ARE NUMBER-REPORT, NAME-REPORT.
00021
00022 WORKING-STORAGE SECTION.
00023
00024 01 STUDENT-MASTER-EOF-SW PIC X VALUE 'N'.
00025 88 STUDENT-MASTER-EOF VALUE 'Y'.
00026 88 STUDENT-MASTER-NOT-EOF VALUE 'N'.
00027
00028 01 Y2K-GETD-PARAMETERS.
00029 02 Y2K-GETDP-DATE-G PIC 9(8).
00030 02 Y2K-GETDP-DATE-J PIC 9(7).
00031 02 Y2K-GETDP-ANUM PIC S9(7).
00032 02 Y2K-GETDP-CLOCK PIC 9(8).
00033 02 Y2K-GETDP-CLOCK12 PIC X(11).
00034
00035 01 Y2K-DFMT-PARAMETERS.
00036 02 Y2K-DFMTP-DATEIN PIC X(8).
00037 02 Y2K-DFMTP-MAJOR PIC X(1).
00038 02 Y2K-DFMTP-MINOR PIC X(1).
00039 02 Y2K-DFMTP-RETURN-CODE PIC 9(1).
00040 02 Y2K-DFMTP-OUTPUT-SIZE PIC S9(2).
00041 02 Y2K-DFMTP-OUTPUT PIC X(29).
00042
00043 01 INPUT-COUNT PIC 9(5) VALUE 0.
00044
00045 01 VSIO-PARAMETER-VALUES COPY VSAMIO.
00046 C 000100* ***** *06980000
00047 C 000200* *06990000
00048 C 000300* VV VV SSSSS A M M IIII 00000 *07000000
00049 C 000400* VV VV SS SS AAA MM MM II 00 00 *07010000
00050 C 000500* VV VV SS AA AA MMM MMM II 00 00 *07020000
00051 C 000600* VV VV SSSSS AA AA MMMMMMMM II 00 00 *07030000
00052 C 000700* VV VV SS AA AA MM M MM II 00 00 *07040000
00053 C 000800* VV VV SS SS AAAAAA MM MM II 00 00 *07050000
00054 C 000900* VVV SS SS AA AA MM MM II 00 00 *07060000
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00055 C 001000*          V      SSSSS  AA   AA MM   MM   IIII   00000          *07070000
00056 C 001100*                                          *07080000
00057 C 001200* *****                                          *07090000
00058 C 001300*                                          *07100000
00059 C 001400* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *07110000
00060 C 001500* ACCESS ROUTINE.                                          *07120000
00061 C 001600*                                          *07130000
00062 C 001700* THE VSIO-PARAMETER-VALUES SUPPLY THE VALUES USED TO MOVE INTO *07140000
00063 C 001800* PARAMETER ENTRIES TO TAILOR THE ROUTINE TO A SPECIFIC DATASET *07150000
00064 C 001900* AND TO PROVIDE COMMANDS TO DRIVE THE ROUTINE.          *07160000
00065 C 002000* *****                                          *07170000
00066 C 002100 01  VSIO-PARAMETER-VALUES.                          07180000
00067 C 002200      02  VSIO-OPEN                                PIC  X(08)  VALUE 'OPEN      ' . 07190000
00068 C 002300      02  VSIO-CLOSE                                PIC  X(08)  VALUE 'CLOSE    ' . 07200000
00069 C 002400      02  VSIO-READ                                 PIC  X(08)  VALUE 'READ     ' . 07210000
00070 C 002500      02  VSIO-WRITE                                PIC  X(08)  VALUE 'WRITE    ' . 07220000
00071 C 002600      02  VSIO-REWRITE                             PIC  X(08)  VALUE 'REWRITE  ' . 07230000
00072 C 002700      02  VSIO-DELETE                             PIC  X(08)  VALUE 'DELETE   ' . 07240000
00073 C 002800      02  VSIO-START-KEY-EQUAL                    PIC  X(08)  VALUE 'STARTEQ  ' . 07250000
00074 C 002900      02  VSIO-START-KEY-NOTLESS                  PIC  X(08)  VALUE 'STARTGE  ' . 07260000
00075 C 003000      02  VSIO-KSDS                                PIC  X(04)  VALUE 'KSDS' . 07270000
00076 C 003100      02  VSIO-ESDS                                PIC  X(04)  VALUE 'ESDS' . 07280000
00077 C 003200      02  VSIO-RRDS                                PIC  X(04)  VALUE 'RRDS' . 07290000
00078 C 003300      02  VSIO-SEQUENTIAL                         PIC  X(10)  VALUE 'SEQUENTIAL' . 07300000
00079 C 003400      02  VSIO-DIRECT                             PIC  X(10)  VALUE 'DIRECT    ' . 07310000
00080 C 003500      02  VSIO-DYNAMIC                             PIC  X(10)  VALUE 'DYNAMIC   ' . 07320000
00081 C 003600      02  VSIO-INPUT                               PIC  X(06)  VALUE 'INPUT    ' . 07330000
00082 C 003700      02  VSIO-OUTPUT                             PIC  X(06)  VALUE 'OUTPUT   ' . 07340000
00083 C 003800      02  VSIO-INPUT-OUTPUT                      PIC  X(06)  VALUE 'UPDATE   ' . 07350000
00084 C 003900                                          07360000
00085 C 004000* *****                                          *07370000
00086 C 004100* THE VSIO-PARAMETER-BLOCK IS THE COMMUNICATION INTERFACE TO *07380000
00087 C 004200* THE ROUTINE.                                          *07390000
00088 C 004300* *****                                          *07400000
00089 C 004400 01  VSIO-PARAMETER-BLOCK.                          07410000
00090 C 004500      02  VSIO-COMMAND                            PIC  X(08) . 07420000
00091 C 004600      02  VSIO-RETURN-CODE                        PIC  S9(04) COMP. 07430000
00092 C 004700          88  VSIO-SUCCESS                        VALUE +0 . 07440000
00093 C 004800          88  VSIO-LOGIC-ERROR                    VALUE +8 . 07450000
00094 C 004900          88  VSIO-END-OF-FILE                      VALUE +9999 . 07460000
00095 C 005000          88  VSIO-PARAMETER-ERROR                VALUE +20 THRU +28 . 07470000
00096 C 005100          88  VSIO-COMMAND-UNKNOWN                VALUE +20 . 07480000
00097 C 005200          88  VSIO-DATASET-ALREADY-OPEN            VALUE +21 . 07490000
00098 C 005300          88  VSIO-DATASET-NOT-OPEN                VALUE +22 . 07500000
00099 C 005400          88  VSIO-ORGANIZATION-KEYWORD            VALUE +23 . 07510000
00100 C 005500          88  VSIO-ACCESS-KEYWORD                  VALUE +24 . 07520000
00101 C 005600          88  VSIO-ACCESS-UNSUPPORTED              VALUE +25 . 07530000
00102 C 005700          88  VSIO-MODE-KEYWORD                    VALUE +26 . 07540000
00103 C 005800          88  VSIO-MODE-UNSUPPORTED                VALUE +27 . 07550000
00104 C 005900          88  VSIO-DDNAME-BLANK                    VALUE +28 . 07560000
00105 C 006000      02  VSIO-VSAM-RETURN-CODE                    PIC  S9(04) COMP. 07570000
00106 C 006100      02  VSIO-VSAM-FUNCTION-CODE                  PIC  S9(04) COMP. 07580000
00107 C 006200      02  VSIO-VSAM-FEEDBACK-CODE                  PIC  S9(04) COMP. 07590000
00108 C 006300          88  VSIO-DUPLICATE-RECORD                VALUE +8 . 07600000
00109 C 006400          88  VSIO-SEQUENCE-ERROR                  VALUE +12 . 07610000
00110 C 006500          88  VSIO-RECORD-NOT-FOUND                VALUE +16 . 07620000
00111 C 006600          88  VSIO-NO-MORE-SPACE                  VALUE +28 . 07630000

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00112 C 006700      88  VSIO-READ-WITHOUT-START      VALUE +88.      07640000
00113 C 006800* *****
00114 C 006900*      END OF VSAMIO COPY BOOK      *07660000
00115 C 007000* *****
00116      01  KSDSF01      COPY VSAMIOFB.
00117 C 000100* *****
00118 C 000200* *****
00119 C 000300*  VV  VV  SSSSS  A  M  M  IIII  00000  FFFFFFFF  BBBBBB  *00000300
00120 C 000400*  VV  VV  SS  SS  AAA  MM  MM  II  00  00  FF  BB  BB  *00000400
00121 C 000500*  VV  VV  SS  AA  AA  MMM  MMM  II  00  00  FF  BB  BB  *00000500
00122 C 000600*  VV  VV  SSSSS  AA  AA  MMMMMMMM  II  00  00  FFFFF  BBBBBB  *00000600
00123 C 000700*  VV  VV  SS  SS  AA  AA  MM  M  MM  II  00  00  FF  BB  BB  *00000700
00124 C 000800*  VV  VV  SS  SS  AAAAAA  MM  MM  II  00  00  FF  BB  BB  *00000800
00125 C 000900*  VVV  SS  SS  AA  AA  MM  MM  II  00  00  FF  BB  BB  *00000900
00126 C 001000*  V  SSSSS  AA  AA  MM  MM  IIII  00000  FF  BBBBBB  *00001000
00127 C 001100* *****
00128 C 001200* *****
00129 C 001300* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *00001300
00130 C 001400* ACCESS ROUTINE, AND ARE USED TO COMMUNICATE CHARACTERISTICS *00001400
00131 C 001500* FOR A SINGLE VSAM DATASET. *00001500
00132 C 001600* *****
00133 C 001700* WITH THE 2 EXCEPTIONS FOR RECORD LENGTH (TO ACCOMODATE *00001700
00134 C 001800* VARIABLE LENGTH RECORDS) AND RELATIVE RECORD (TO ACCOMODATE *00001800
00135 C 001900* RELATIVE RECORD DATASETS) THESE DATA NAMES MUST BE POPULATED *00001900
00136 C 002000* PRIOR TO CALLING THE ROUTINE TO OPEN THE DATASET AND MUST NOT *00002000
00137 C 002100* THEN BE CHANGED UNTIL THE DATASET HAS BEEN CLOSED. *00002100
00138 C 002200* *****
00139 C 002300 01  KSDSF01. 00002300
00140 C 002400      02  VSIO-DDNAME      PIC  X(08)  VALUE SPACES. 00002400
00141 C 002500      02  VSIO-ORGANIZATION  PIC  X(04)  VALUE SPACES. 00002500
00142 C 002600      02  VSIO-ACCESS      PIC  X(10)  VALUE SPACES. 00002600
00143 C 002700      02  VSIO-MODE      PIC  X(06)  VALUE SPACES. 00002700
00144 C 002800      02  VSIO-RECORD-LENGTH  PIC  S9(04)  COMP VALUE +0. 00002800
00145 C 002900      02  VSIO-KEY-ARGUMENT. 00002900
00146 C 003000      03  VSIO-KEY-POSITION  PIC  S9(04)  COMP VALUE +0. 00003000
00147 C 003100      03  VSIO-KEY-LENGTH  PIC  S9(04)  COMP VALUE +0. 00003100
00148 C 003200      02  VSIO-RELATIVE-RECORD  REDEFINES VSIO-KEY-ARGUMENT 00003200
00149 C 003300      PIC  S9(08)  COMP. 00003300
00150 C 003400      02  FILLER      PIC  X(01)  VALUE 'C'. 00003400
00151 C 003500      88  VSIO-FILE-OPEN      VALUE 'O'. 00003500
00152 C 003600      88  VSIO-FILE-CLOSED      VALUE 'C'. 00003600
00153 C 003700      02  FILLER      PIC  X(161). 00003700
00154 C 003800* *****
00155 C 003900*      END OF VSAMIOFB COPY BOOK *00003900
00156 C 004000* *****
00157      01  STUDENT-MASTER-INFORMATION  COPY 'STMASTER'.
00158 C      *-----*
00159 C      * STUDENT INFORMATION MASTER RECORD.
00160 C      *-----*
00161 C      01  STUDENT-MASTER-INFORMATION.
00162 C      02  SI-STUDENT-NUMBER      PIC  9(09).
00163 C      02  SI-FIRST-NAME      PIC  X(11).
00164 C      02  SI-MINITIAL      PIC  X(01).
00165 C      02  SI-LAST-NAME      PIC  X(10).
00166 C      02  SI-STREET      PIC  X(35).
00167 C      02  SI-CITY      PIC  X(20).
00168 C      02  SI-STATE      PIC  X(02).

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00169 C          02  SI-ZIPCODE          PIC X(05).
00170 C          02  SI-BIRTH-DATE       PIC X(08).
00171 C          02  SI-ENROLL-DATE      PIC X(08).
00172 C          02  SI-CONTACT-DATE     PIC X(08).
00173 C          02  SI-GENDER           PIC X(01).
00174 C          02  SI-SORT-NAME        PIC X(30).
00175 C          02  FILLER              PIC X(02).
00176
00177 LINKAGE SECTION.
00178
00179 01 EXEC-PARM-BUFFER.
00180     02 EXEC-PARM-LENGTH      PIC S9(04) COMP.
00181     02 EXEC-PARM-DATA       PIC X(06).
00182         88 REQUESTED-NUMBER      VALUE 'NUMBER'.
00183     02 FILLER               REDEFINES EXEC-PARM-DATA.
00184         03 EXEC-PARM-DATA-4      PIC X(04).
00185         88 REQUESTED-NAME        VALUE 'NAME'.
00186     03 FILLER               PIC X(02).
00187
00188 REPORT SECTION.
00189 RD  NUMBER-REPORT
00190     CONTROL IS FINAL
00191     PAGE LIMIT IS 66 LINES
00192     HEADING 2
00193     FIRST DETAIL 5
00194     LAST DETAIL 60.
00195
00196 01 NUMBER-PAGE-HEAD TYPE PAGE HEADING.
00197     02 LINE 2.
00198         03 COLUMN 01  PIC X(10) SOURCE Y2K-DFMTP-OUTPUT.
00199         03 COLUMN 15  PIC X(03) VALUE '(V)'.
00200         03 COLUMN 22  PIC X(07) VALUE 'Student'.
00201         03 COLUMN 32  PIC X(06) VALUE 'Master'.
00202         03 COLUMN 41  PIC X(04) VALUE 'List'.
00203         03 COLUMN 48  PIC X(02) VALUE 'By'.
00204         03 COLUMN 53  PIC X(06) VALUE 'Number'.
00205         03 COLUMN 71  PIC X(04) VALUE 'Page'.
00206         03 COLUMN 76  PIC Z,ZZ9 SOURCE PAGE-COUNTER
00207                        OF NUMBER-REPORT.
00208     02 LINE 3.
00209         03 COLUMN 01  PIC X(11) SOURCE Y2K-GETDP-CLOCK12.
00210
00211 01 NUMBER-DETAIL TYPE DETAIL.
00212     02 LINE PLUS 1.
00213         03 COLUMN 15  PIC 9(09) SOURCE SI-STUDENT-NUMBER.
00214         03 COLUMN 26  PIC X(11) SOURCE SI-FIRST-NAME.
00215         03 COLUMN 39  PIC X(01) SOURCE SI-MINITIAL.
00216         03 COLUMN 41  PIC X(10) SOURCE SI-LAST-NAME.
00217
00218     02 LINE PLUS 1.
00219
00220 01 NUMBER-SUMMARY TYPE CONTROL FOOTING FINAL.
00221     02 LINE PLUS 2.
00222         03 COLUMN 20  PIC X(03) VALUE '***'.
00223         03 COLUMN 24  PIC ZZ,ZZ9 SOURCE INPUT-COUNT.
00224         03 COLUMN 31  PIC X(15) VALUE 'Students ***'.
00225

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00226      RD  NAME-REPORT
00227          CONTROL IS FINAL
00228          PAGE LIMIT IS 66 LINES
00229          HEADING 2
00230          FIRST DETAIL 5
00231          LAST DETAIL 60.
00232
00233      01  NAME-PAGE-HEAD TYPE PAGE HEADING.
00234          02  LINE 2.
00235              03  COLUMN 01  PIC X(10) SOURCE Y2K-DFMTP-OUTPUT.
00236              03  COLUMN 15  PIC X(03) VALUE '(V)'.
00237              03  COLUMN 24  PIC X(07) VALUE 'Student'.
00238              03  COLUMN 34  PIC X(06) VALUE 'Master'.
00239              03  COLUMN 43  PIC X(04) VALUE 'List'.
00240              03  COLUMN 50  PIC X(02) VALUE 'By'.
00241              03  COLUMN 55  PIC X(04) VALUE 'Name'.
00242              03  COLUMN 71  PIC X(04) VALUE 'Page'.
00243              03  COLUMN 76  PIC Z,ZZ9 SOURCE PAGE-COUNTER
00244                              OF NAME-REPORT.
00245          02  LINE 3.
00246              03  COLUMN 01  PIC X(11) SOURCE Y2K-GETDP-CLOCK12.
00247
00248      01  NAME-DETAIL TYPE DETAIL.
00249          02  LINE PLUS 1.
00250              03  COLUMN 15  PIC X(10) SOURCE SI-LAST-NAME.
00251              03  COLUMN 26  PIC X(11) SOURCE SI-FIRST-NAME.
00252              03  COLUMN 38  PIC X(01) SOURCE SI-MINITIAL.
00253              03  COLUMN 42  PIC 9(09) SOURCE SI-STUDENT-NUMBER.
00254
00255          02  LINE PLUS 1.
00256
00257      01  NAME-SUMMARY TYPE CONTROL FOOTING FINAL.
00258          02  LINE PLUS 2.
00259              03  COLUMN 20  PIC X(03) VALUE '***'.
00260              03  COLUMN 24  PIC ZZ,ZZ9 SOURCE INPUT-COUNT.
00261              03  COLUMN 31  PIC X(15) VALUE 'Students ***'.
00262
00263      PROCEDURE DIVISION USING EXEC-PARM-BUFFER.
00264
00265      0000-MAIN SECTION.
00266
00267      0000-INITIALIZATION.
00268
00269          CALL 'Y2KGETD' USING Y2K-GETD-PARAMETERS.
00270          MOVE Y2K-GETDP-DATE-G TO Y2K-DFMTP-DATEIN.
00271          MOVE '1' TO Y2K-DFMTP-MAJOR.
00272          MOVE '3' TO Y2K-DFMTP-MINOR.
00273          CALL 'Y2KDFMT' USING Y2K-DFMT-PARAMETERS.
00274
00275          IF EXEC-PARM-LENGTH = 4
00276          OR EXEC-PARM-LENGTH = 6
00277              IF REQUESTED-NUMBER
00278              OR REQUESTED-NAME
00279                  PERFORM 1100-PRODUCE-REPORT
00280                      THRU 1199-EXIT
00281          ELSE
00282              DISPLAY '*** EXEC PARM LENGTH=' EXEC-PARM-LENGTH

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00283          ' *** '
00284          DISPLAY '*** EXEC PARM=' EXEC-PARM-DATA '= *** '
00285          MOVE +12 TO RETURN-CODE
00286      ELSE
00287          DISPLAY '*** EXEC PARM LENGTH=' EXEC-PARM-LENGTH ' *** '
00288          DISPLAY '*** EXEC PARM=' EXEC-PARM-DATA '= *** '
00289          UPON SYSOUT
00290          MOVE +12 TO RETURN-CODE.
00291
00292      GOBACK.
00293
00294      1000-LEVEL-1-ROUTINES SECTION.
00295
00296      1100-PRODUCE-REPORT.
00297
00298          MOVE VSIO-KSDS TO VSIO-ORGANIZATION.
00299          MOVE VSIO-SEQUENTIAL TO VSIO-ACCESS.
00300          MOVE VSIO-INPUT TO VSIO-MODE.
00301          MOVE +150 TO VSIO-RECORD-LENGTH.
00302          MOVE VSIO-OPEN TO VSIO-COMMAND.
00303          IF REQUESTED-NUMBER
00304              MOVE 'STMASTI' TO VSIO-DDNAME
00305              MOVE +0 TO VSIO-KEY-POSITION
00306              MOVE +9 TO VSIO-KEY-LENGTH
00307          ELSE
00308              MOVE 'STMASTI1' TO VSIO-DDNAME
00309              MOVE +118 TO VSIO-KEY-POSITION
00310              MOVE +30 TO VSIO-KEY-LENGTH.
00311          CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,
00312                          STUDENT-MASTER-INFORMATION.
00313          IF NOT VSIO-SUCCESS
00314              DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00315                      VSIO-COMMAND
00316              EXHIBIT NAMED VSIO-RETURN-CODE,
00317              EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00318                      VSIO-VSAM-FUNCTION-CODE,
00319                      VSIO-VSAM-FEEDBACK-CODE
00320              MOVE +12 TO RETURN-CODE
00321              STOP RUN.
00322
00323          OPEN OUTPUT REPORT-FILE.
00324
00325          IF REQUESTED-NUMBER
00326              INITIATE NUMBER-REPORT
00327              MOVE ZERO TO SI-STUDENT-NUMBER
00328          ELSE
00329              INITIATE NAME-REPORT
00330              MOVE LOW-VALUES TO SI-SORT-NAME.
00331
00332          MOVE VSIO-START-KEY-NOTLESS TO VSIO-COMMAND.
00333          CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,
00334                          STUDENT-MASTER-INFORMATION
00335          IF NOT VSIO-SUCCESS
00336              DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00337                      VSIO-COMMAND
00338              EXHIBIT NAMED VSIO-RETURN-CODE,
00339              EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,

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00340                VSIO-VSAM-FUNCTION-CODE,
00341                VSIO-VSAM-FEEDBACK-CODE
00342            MOVE +12 TO RETURN-CODE
00343            STOP RUN.
00344
00345        PERFORM 2100-READ-STUDENT-MASTER
00346            THRU 2199-EXIT
00347            UNTIL STUDENT-MASTER-EOF.
00348
00349        IF REQUESTED-NUMBER
00350            TERMINATE NUMBER-REPORT
00351        ELSE
00352            TERMINATE NAME-REPORT.
00353
00354        MOVE VSIO-CLOSE TO VSIO-COMMAND.
00355        CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,
00356                        STUDENT-MASTER-INFORMATION.
00357        IF NOT VSIO-SUCCESS
00358            DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00359                VSIO-COMMAND
00360            EXHIBIT NAMED VSIO-RETURN-CODE,
00361            EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00362                VSIO-VSAM-FUNCTION-CODE,
00363                VSIO-VSAM-FEEDBACK-CODE.
00364
00365        CLOSE REPORT-FILE.
00366
00367    1199-EXIT.
00368    EXIT.
00369
00370    2000-LEVEL-2-ROUTINES SECTION.
00371
00372    2100-READ-STUDENT-MASTER.
00373
00374        MOVE VSIO-READ TO VSIO-COMMAND.
00375        CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,
00376                        STUDENT-MASTER-INFORMATION.
00377        IF NOT VSIO-SUCCESS
00378            IF VSIO-END-OF-FILE
00379                MOVE 'Y' TO STUDENT-MASTER-EOF-SW
00380            ELSE
00381                DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00382                    VSIO-COMMAND
00383                EXHIBIT NAMED VSIO-RETURN-CODE,
00384                EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00385                    VSIO-VSAM-FUNCTION-CODE,
00386                    VSIO-VSAM-FEEDBACK-CODE
00387                MOVE +12 TO RETURN-CODE
00388                MOVE 'Y' TO STUDENT-MASTER-EOF-SW.
00389
00390        IF STUDENT-MASTER-NOT-EOF
00391            ADD 1 TO INPUT-COUNT
00392            IF REQUESTED-NUMBER
00393                GENERATE NUMBER-DETAIL
00394            ELSE
00395                GENERATE NAME-DETAIL.
00396

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INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=1-237	FD	REPORT-FILE	DCB=01		DNM=1-237		QSAM				F
DNM=1-261	01	-0001	BL=1	000	DNM=1-261	DS 133C	DISP				
DNM=1-279	01	STUDENT-MASTER-EOF-SW	BL=2	000	DNM=1-279	DS 1C	DISP				
DNM=1-313	88	STUDENT-MASTER-EOF			DNM=1-313						
DNM=1-342	88	STUDENT-MASTER-NOT-EOF			DNM=1-342						
DNM=1-375	01	Y2K-GETD-PARAMETERS	BL=2	008	DNM=1-375	DS 0CL41	GROUP				
DNM=1-407	02	Y2K-GETDP-DATE-G	BL=2	008	DNM=1-407	DS 8C	DISP-NM				
DNM=1-433	02	Y2K-GETDP-DATE-J	BL=2	010	DNM=1-433	DS 7C	DISP-NM				
DNM=1-459	02	Y2K-GETDP-ANUM	BL=2	017	DNM=1-459	DS 7C	DISP-NM				
DNM=1-483	02	Y2K-GETDP-CLOCK	BL=2	01E	DNM=1-483	DS 8C	DISP-NM				
DNM=2-000	02	Y2K-GETDP-CLOCK12	BL=2	026	DNM=2-000	DS 11C	DISP				
DNM=2-027	01	Y2K-DFMT-PARAMETERS	BL=2	038	DNM=2-027	DS 0CL42	GROUP				
DNM=2-059	02	Y2K-DFMTP-DATEIN	BL=2	038	DNM=2-059	DS 8C	DISP				
DNM=2-088	02	Y2K-DFMTP-MAJOR	BL=2	040	DNM=2-088	DS 1C	DISP				
DNM=2-113	02	Y2K-DFMTP-MINOR	BL=2	041	DNM=2-113	DS 1C	DISP				
DNM=2-138	02	Y2K-DFMTP-RETURN-CODE	BL=2	042	DNM=2-138	DS 1C	DISP-NM				
DNM=2-169	02	Y2K-DFMTP-OUTPUT-SIZE	BL=2	043	DNM=2-169	DS 2C	DISP-NM				
DNM=2-200	02	Y2K-DFMTP-OUTPUT	BL=2	045	DNM=2-200	DS 29C	DISP				
DNM=2-226	01	INPUT-COUNT	BL=2	068	DNM=2-226	DS 5C	DISP-NM				
DNM=2-247	01	VSIO-PARAMETER-VALUES	BL=2	070	DNM=2-247	DS 0CL124	GROUP				
DNM=2-281	02	VSIO-OPEN	BL=2	070	DNM=2-281	DS 8C	DISP				
DNM=2-300	02	VSIO-CLOSE	BL=2	078	DNM=2-300	DS 8C	DISP				
DNM=2-320	02	VSIO-READ	BL=2	080	DNM=2-320	DS 8C	DISP				
DNM=2-342	02	VSIO-WRITE	BL=2	088	DNM=2-342	DS 8C	DISP				
DNM=2-362	02	VSIO-REWRITE	BL=2	090	DNM=2-362	DS 8C	DISP				
DNM=2-384	02	VSIO-DELETE	BL=2	098	DNM=2-384	DS 8C	DISP				
DNM=2-405	02	VSIO-START-KEY-EQUAL	BL=2	0A0	DNM=2-405	DS 8C	DISP				
DNM=2-435	02	VSIO-START-KEY-NOTLESS	BL=2	0A8	DNM=2-435	DS 8C	DISP				
DNM=2-470	02	VSIO-KSDS	BL=2	0B0	DNM=2-470	DS 4C	DISP				
DNM=2-492	02	VSIO-ESDS	BL=2	0B4	DNM=2-492	DS 4C	DISP				
DNM=3-000	02	VSIO-RRDS	BL=2	0B8	DNM=3-000	DS 4C	DISP				
DNM=3-019	02	VSIO-SEQUENTIAL	BL=2	0BC	DNM=3-019	DS 10C	DISP				
DNM=3-044	02	VSIO-DIRECT	BL=2	0C6	DNM=3-044	DS 10C	DISP				
DNM=3-065	02	VSIO-DYNAMIC	BL=2	0D0	DNM=3-065	DS 10C	DISP				
DNM=3-087	02	VSIO-INPUT	BL=2	0DA	DNM=3-087	DS 6C	DISP				
DNM=3-107	02	VSIO-OUTPUT	BL=2	0E0	DNM=3-107	DS 6C	DISP				
DNM=3-128	02	VSIO-INPUT-OUTPUT	BL=2	0E6	DNM=3-128	DS 6C	DISP				
DNM=3-155	01	VSIO-PARAMETER-BLOCK	BL=2	0F0	DNM=3-155	DS 0CL16	GROUP				
DNM=3-188	02	VSIO-COMMAND	BL=2	0F0	DNM=3-188	DS 8C	DISP				
DNM=3-210	02	VSIO-RETURN-CODE	BL=2	0F8	DNM=3-210	DS 2C	COMP				
DNM=3-239	88	VSIO-SUCCESS			DNM=3-239						
DNM=3-264	88	VSIO-LOGIC-ERROR			DNM=3-264						
DNM=3-293	88	VSIO-END-OF-FILE			DNM=3-293						
DNM=3-324	88	VSIO-PARAMETER-ERROR			DNM=3-324						
DNM=3-354	88	VSIO-COMMAND-UNKNOWN			DNM=3-354						
DNM=3-391	88	VSIO-DATASET-ALREADY-OPEN			DNM=3-391						
DNM=3-430	88	VSIO-DATASET-NOT-OPEN			DNM=3-430						
DNM=3-465	88	VSIO-ORGANIZATION-KEYWORD			DNM=3-465						
DNM=4-000	88	VSIO-ACCESS-KEYWORD			DNM=4-000						
DNM=4-033	88	VSIO-ACCESS-UNSUPPORTED			DNM=4-033						
DNM=4-070	88	VSIO-MODE-KEYWORD			DNM=4-070						
DNM=4-101	88	VSIO-MODE-UNSUPPORTED			DNM=4-101						
DNM=4-136	88	VSIO-DDNAME-BLANK			DNM=4-136						
DNM=4-167	02	VSIO-VSAM-RETURN-CODE	BL=2	0FA	DNM=4-167	DS 2C	COMP				
DNM=4-198	02	VSIO-VSAM-FUNCTION-CODE	BL=2	0FC	DNM=4-198	DS 2C	COMP				

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=4-231	02	VSIO-VSAM-FEEDBACK-CODE	BL=2	0FE	DNM=4-231	DS 2C	COMP				
DNM=4-267	88	VSIO-DUPLICATE-RECORD			DNM=4-267						
DNM=4-301	88	VSIO-SEQUENCE-ERROR			DNM=4-301						
DNM=4-337	88	VSIO-RECORD-NOT-FOUND			DNM=4-337						
DNM=4-372	88	VSIO-NO-MORE-SPACE			DNM=4-372						
DNM=4-404	88	VSIO-READ-WITHOUT-START			DNM=4-404						
DNM=4-441	01	KSDSF01	BL=2	100	DNM=4-441	DS 0CL196	GROUP				
DNM=4-461	02	VSIO-DDNAME	BL=2	100	DNM=4-461	DS 8C	DISP				
DNM=4-482	02	VSIO-ORGANIZATION	BL=2	108	DNM=4-482	DS 4C	DISP				
DNM=5-000	02	VSIO-ACCESS	BL=2	10C	DNM=5-000	DS 10C	DISP				
DNM=5-021	02	VSIO-MODE	BL=2	116	DNM=5-021	DS 6C	DISP				
DNM=5-040	02	VSIO-RECORD-LENGTH	BL=2	11C	DNM=5-040	DS 2C	COMP				
DNM=5-068	02	VSIO-KEY-ARGUMENT	BL=2	11E	DNM=5-068	DS 0CL4	GROUP				
DNM=5-098	03	VSIO-KEY-POSITION	BL=2	11E	DNM=5-098	DS 2C	COMP				
DNM=5-128	03	VSIO-KEY-LENGTH	BL=2	120	DNM=5-128	DS 2C	COMP				
DNM=5-153	02	VSIO-RELATIVE-RECORD	BL=2	11E	DNM=5-153	DS 4C	COMP	R			
DNM=5-183	02	FILLER	BL=2	122	DNM=5-183	DS 1C	DISP				
DNM=5-202	88	VSIO-FILE-OPEN			DNM=5-202						
DNM=5-227	88	VSIO-FILE-CLOSED			DNM=5-227						
DNM=5-254	02	FILLER	BL=2	123	DNM=5-254	DS 161C	DISP				
DNM=5-273	01	STUDENT-MASTER-INFORMATION	BL=2	1C8	DNM=5-273	DS 0CL150	GROUP				
DNM=5-315	02	SI-STUDENT-NUMBER	BL=2	1C8	DNM=5-315	DS 9C	DISP-NM				
DNM=5-342	02	SI-FIRST-NAME	BL=2	1D1	DNM=5-342	DS 11C	DISP				
DNM=5-368	02	SI-MINITIAL	BL=2	1DC	DNM=5-368	DS 1C	DISP				
DNM=5-392	02	SI-LAST-NAME	BL=2	1DD	DNM=5-392	DS 10C	DISP				
DNM=5-417	02	SI-STREET	BL=2	1E7	DNM=5-417	DS 35C	DISP				
DNM=5-436	02	SI-CITY	BL=2	20A	DNM=5-436	DS 20C	DISP				
DNM=5-453	02	SI-STATE	BL=2	21E	DNM=5-453	DS 2C	DISP				
DNM=5-471	02	SI-ZIPCODE	BL=2	220	DNM=5-471	DS 5C	DISP				
DNM=6-000	02	SI-BIRTH-DATE	BL=2	225	DNM=6-000	DS 8C	DISP				
DNM=6-023	02	SI-ENROLL-DATE	BL=2	22D	DNM=6-023	DS 8C	DISP				
DNM=6-047	02	SI-CONTACT-DATE	BL=2	235	DNM=6-047	DS 8C	DISP				
DNM=6-072	02	SI-GENDER	BL=2	23D	DNM=6-072	DS 1C	DISP				
DNM=6-091	02	SI-SORT-NAME	BL=2	23E	DNM=6-091	DS 30C	DISP				
DNM=6-116	02	FILLER	BL=2	25C	DNM=6-116	DS 2C	DISP				
DNM=6-135	01	EXEC-PARM-BUFFER	BLL=3	000	DNM=6-135	DS 0CL8	GROUP				
DNM=6-164	02	EXEC-PARM-LENGTH	BLL=3	000	DNM=6-164	DS 2C	COMP				
DNM=6-190	02	EXEC-PARM-DATA	BLL=3	002	DNM=6-190	DS 6C	DISP				
DNM=6-217	88	REQUESTED-NUMBER			DNM=6-217						
DNM=6-249	02	FILLER	BLL=3	002	DNM=6-249	DS 0CL6	GROUP	R			
DNM=6-271	03	EXEC-PARM-DATA-4	BLL=3	002	DNM=6-271	DS 4C	DISP				
DNM=6-300	88	REQUESTED-NAME			DNM=6-300						
DNM=6-328	03	FILLER	BLL=3	006	DNM=6-328	DS 2C	DISP				
DNM=6-347	01	PRINT-SWITCH	BL=2	260	DNM=6-347	DS 1C	DISP-NM				
DNM=6-369	RD	NUMBER-REPORT			DNM=6-369						
DNM=6-394	01	CTL.LVL	BL=2	268	DNM=6-394	DS 2P	COMP-3				
DNM=6-411	01	TER.COD	BL=2	270	DNM=6-411	DS 1C	DISP				
DNM=6-428	01	FRS.GEN	BL=2	278	DNM=6-428	DS 1C	DISP				
DNM=6-445	01	LIN.SAV	BL=2	280	DNM=6-445	DS 2C	COMP				
DNM=6-462	01	FRS.GRP	BL=2	288	DNM=6-462	DS 1C	DISP				
DNM=6-479	01	ABS.LIN	BL=2	290	DNM=6-479	DS 2C	COMP				
DNM=7-000	01	LIN.NUM	BL=2	298	DNM=7-000	DS 2P	COMP-3				
DNM=7-017	01	LINE-COUNTER	BL=2	2A0	DNM=7-017	DS 3P	COMP-3				
DNM=7-042	01	PAGE-COUNTER	BL=2	2A8	DNM=7-042	DS 3P	COMP-3				
DNM=7-064	01	RPT.RCD	BL=2	2B0	DNM=7-064	DS 0CL133	GROUP				

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=7-084	02	CTL.CHR	BL=2	2B0	DNM=7-084	DS 1C	DISP				
DNM=7-101	02	RPT.LIN	BL=2	2B1	DNM=7-101	DS 132C	DISP				
DNM=7-121	02	E.0001	BL=2	2B1	DNM=7-121	DS 10C	DISP	R			
DNM=7-137	02	E.0002	BL=2	2BF	DNM=7-137	DS 3C	DISP	R			
DNM=7-153	02	E.0003	BL=2	2C6	DNM=7-153	DS 7C	DISP	R			
DNM=7-169	02	E.0004	BL=2	2D0	DNM=7-169	DS 6C	DISP	R			
DNM=7-185	02	E.0005	BL=2	2D9	DNM=7-185	DS 4C	DISP	R			
DNM=7-201	02	E.0006	BL=2	2E0	DNM=7-201	DS 2C	DISP	R			
DNM=7-217	02	E.0007	BL=2	2E5	DNM=7-217	DS 6C	DISP	R			
DNM=7-233	02	E.0008	BL=2	2F7	DNM=7-233	DS 4C	DISP	R			
DNM=7-249	02	E.0009	BL=2	2FC	DNM=7-249	DS 5C	NM-EDIT	R			
DNM=7-276	02	E.0010	BL=2	2B1	DNM=7-276	DS 11C	DISP	R			
DNM=7-295	02	E.0011	BL=2	2BF	DNM=7-295	DS 9C	DISP-NM	R			
DNM=7-311	02	E.0012	BL=2	2CA	DNM=7-311	DS 11C	DISP	R			
DNM=7-327	02	E.0013	BL=2	2D7	DNM=7-327	DS 1C	DISP	R			
DNM=7-343	02	E.0014	BL=2	2D9	DNM=7-343	DS 10C	DISP	R			
DNM=7-362	02	E.0015	BL=2	2C4	DNM=7-362	DS 3C	DISP	R			
DNM=7-381	02	E.0016	BL=2	2C8	DNM=7-381	DS 6C	NM-EDIT	R			
DNM=7-411	02	E.0017	BL=2	2CF	DNM=7-411	DS 15C	DISP	R			
DNM=7-430	01	N.0001	BL=2	338	DNM=7-430	DS 2C	COMP				
DNM=7-449	01	N.0002	BL=2	340	DNM=7-449	DS 2C	COMP				
DNM=7-465	01	GRP.IND	BL=2	348	DNM=7-465	DS 0CL1	GROUP				
DNM=7-485	02	GP.0000	BL=2	348	DNM=7-485	DS 1C	DISP				
DNM=8-000	RD	NAME-REPORT			DNM=8-000						
DNM=8-023	01	CTL.LVL	BL=2	350	DNM=8-023	DS 2P	COMP-3				
DNM=8-043	01	TER.COD	BL=2	358	DNM=8-043	DS 1C	DISP				
DNM=8-063	01	FRS.GEN	BL=2	360	DNM=8-063	DS 1C	DISP				
DNM=8-083	01	LIN.SAV	BL=2	368	DNM=8-083	DS 2C	COMP				
DNM=8-103	01	FRS.GRP	BL=2	370	DNM=8-103	DS 1C	DISP				
DNM=8-123	01	ABS.LIN	BL=2	378	DNM=8-123	DS 2C	COMP				
DNM=8-143	01	LIN.NUM	BL=2	380	DNM=8-143	DS 2P	COMP-3				
DNM=8-163	01	LINE-COUNTER	BL=2	388	DNM=8-163	DS 3P	COMP-3				
DNM=8-188	01	PAGE-COUNTER	BL=2	390	DNM=8-188	DS 3P	COMP-3				
DNM=8-213	01	RPT.RCD	BL=2	398	DNM=8-213	DS 0CL133	GROUP				
DNM=8-236	02	CTL.CHR	BL=2	398	DNM=8-236	DS 1C	DISP				
DNM=8-256	02	RPT.LIN	BL=2	399	DNM=8-256	DS 132C	DISP				
DNM=8-276	02	E.0018	BL=2	399	DNM=8-276	DS 10C	DISP	R			
DNM=8-292	02	E.0019	BL=2	3A7	DNM=8-292	DS 3C	DISP	R			
DNM=8-308	02	E.0020	BL=2	3B0	DNM=8-308	DS 7C	DISP	R			
DNM=8-324	02	E.0021	BL=2	3BA	DNM=8-324	DS 6C	DISP	R			
DNM=8-340	02	E.0022	BL=2	3C3	DNM=8-340	DS 4C	DISP	R			
DNM=8-356	02	E.0023	BL=2	3CA	DNM=8-356	DS 2C	DISP	R			
DNM=8-372	02	E.0024	BL=2	3CF	DNM=8-372	DS 4C	DISP	R			
DNM=8-391	02	E.0025	BL=2	3DF	DNM=8-391	DS 4C	DISP	R			
DNM=8-407	02	E.0026	BL=2	3E4	DNM=8-407	DS 5C	NM-EDIT	R			
DNM=8-437	02	E.0027	BL=2	399	DNM=8-437	DS 11C	DISP	R			
DNM=8-453	02	E.0028	BL=2	3A7	DNM=8-453	DS 10C	DISP	R			
DNM=8-469	02	E.0029	BL=2	3B2	DNM=8-469	DS 11C	DISP	R			
DNM=8-488	02	E.0030	BL=2	3BE	DNM=8-488	DS 1C	DISP	R			
DNM=9-000	02	E.0031	BL=2	3C2	DNM=9-000	DS 9C	DISP-NM	R			
DNM=9-016	02	E.0032	BL=2	3AC	DNM=9-016	DS 3C	DISP	R			
DNM=9-032	02	E.0033	BL=2	3B0	DNM=9-032	DS 6C	NM-EDIT	R			
DNM=9-062	02	E.0034	BL=2	3B7	DNM=9-062	DS 15C	DISP	R			
DNM=9-078	01	N.0003	BL=2	420	DNM=9-078	DS 2C	COMP				
DNM=9-097	01	N.0004	BL=2	428	DNM=9-097	DS 2C	COMP				

INTRNL NAME			LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME		DEFINITION	USAGE	R	O	Q	M
DNM=9-116			01	GRP.IND	BL=2	430	DNM=9-116		DS 0CL1	GROUP				
DNM=9-139			02	GP.0000	BL=2	430	DNM=9-139		DS 1C	DISP				

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*STATISTICS*      SOURCE RECORDS =   399      DATA DIVISION STATEMENTS =   108      PROCEDURE DIVISION STATEMENTS =   83
*OPTIONS IN EFFECT*  SIZE = 2097152  BUF = 1048576  LINECNT = 57  SPACE1, FLAGW,   SEQ,   SOURCE
*OPTIONS IN EFFECT*      DMAP, NOPMAP, NOCLIST,   SUPMAP, NOXREF,   LOAD, NODECK, APOST, NOTRUNC,   LIB, NOVERB
*OPTIONS IN EFFECT*      ZWB
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F64-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED LIST,XREF,LET
DEFAULT OPTION(S) USED - SIZE=(65536,38912)
IEW0000 NAME READ01V(R)

CROSS REFERENCE TABLE

CONTROL SECTION			ENTRY							
NAME	ORIGIN	LENGTH	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
READ01V	00	1E18								
ILBODSP0*	1E18	700								
ILBOSPA0*	2518	2D8								
ILBOSTP0*	27F0	35								
			ILBOSTP1	2806						
VSAMIO *	2828	D0A								
Y2KDFMT *	3538	60A								
Y2KDOWN *	3B48	FB								
Y2KGTOA *	3C48	2DF								
Y2KGETD *	3F28	201								
Y2KGT0J *	4130	137								
Y2KJTOG *	4268	1CD								
Y2KATOG *	4438	27A								
LOCATION	REFERS TO	SYMBOL	IN CONTROL SECTION		LOCATION	REFERS TO	SYMBOL	IN CONTROL SECTION		
848		ILBOSTP0	ILBOSTP0		84C		ILBOSPA0	ILBOSPA0		
850		Y2KGETD	Y2KGETD		854		Y2KDFMT	Y2KDFMT		
858		ILBODSP0	ILBODSP0		85C		ILBOSTP1	ILBOSTP0		
860		VSAMIO	VSAMIO		3B20		Y2KDOWN	Y2KDOWN		
3C28		Y2KGTOA	Y2KGTOA		40F8		Y2KJTOG	Y2KJTOG		
40FC		Y2KGT0J	Y2KGT0J		4100		Y2KGTOA	Y2KGTOA		
4248		Y2KGTOA	Y2KGTOA		4408		Y2KGTOA	Y2KGTOA		
440C		Y2KATOG	Y2KATOG							
ENTRY ADDRESS		00								
TOTAL LENGTH		46B8								
****READ01V	NOW REPLACED IN DATA SET									
AUTHORIZATION CODE IS		0.								