

J E S 2 J O B L O G

13.26.40 JOB 31 \$HASP373 READ02VC STARTED - INIT 1 - CLASS A - SYS HMVS
13.26.40 JOB 31 IEF403I READ02VC - STARTED - TIME=13.26.40
13.26.40 JOB 31 IEC130I SYSPUNCH DD STATEMENT MISSING
13.26.40 JOB 31 IEC130I SYSPUNCH DD STATEMENT MISSING
13.26.40 JOB 31 IEFACRT CCB /IKFCBL00/00:00:00.09/00:00:00.13/00004/READ02VC
13.26.41 JOB 31 IEFACRT LKED /IEWL /00:00:00.03/00:00:00.05/00000/READ02VC
13.26.41 JOB 31 IEF404I READ02VC - ENDED - TIME=13.26.41
13.26.41 JOB 31 \$HASP395 READ02VC ENDED

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

31 JUL 25 JOB EXECUTION DATE

9 CARDS READ

989 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.00 MINUTES EXECUTION TIME

1

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00001 IDENTIFICATION DIVISION.
00002 PROGRAM-ID. READ02V.
00003 DATE-WRITTEN. JULY, 2025.
00004 DATE-COMPILED. JUL 31, 2025.
00005 REMARKS. SORT STUDENT ROSTER RECORDS BY DEPT/COURSE/SECTION,
00006         AT LEVEL CHANGE, LOOKUP TABLE DATA IN RRDS CLUSTER,
00007         PRODUCE ENROLLMENT AND CLASS ROSTER REPORTS.
00008
00009 ENVIRONMENT DIVISION.
00010 INPUT-OUTPUT SECTION.
00011 FILE-CONTROL.
00012
00013         SELECT STUDENT-ROSTER-FILE
00014         ASSIGN TO UT-S-ROSTERI.
00015
00016         SELECT REPORT-FILE-1
00017         ASSIGN TO UR-S-REPORT1.
00018
00019         SELECT REPORT-FILE-2
00020         ASSIGN TO UR-S-REPORT2.
00021
00022         SELECT SORT-WORK-FILE
00023         ASSIGN TO UT-S-SORTWK.
00024
00025 DATA DIVISION.
00026 FILE SECTION.
00027
00028 FD STUDENT-ROSTER-FILE
00029 LABEL RECORDS STANDARD
00030 RECORD CONTAINS 48 CHARACTERS
00031 BLOCK CONTAINS 100 RECORDS
00032 DATA RECORD IS STUDENT-ROSTER-RECORD.
00033
00034 01 STUDENT-ROSTER-RECORD.
00035     02 SRR-DEPARTMENT          PIC 9(02).
00036     02 SRR-COURSE             PIC 9(03).
00037     02 SRR-SECTION            PIC 9(01).
00038     02 SRR-STUDENT-NUMBER     PIC 9(07).
00039     02 SRR-STUDENT-NAME       PIC X(35).
00040
00041 FD REPORT-FILE-1
00042 LABEL RECORDS OMITTED
00043 REPORT IS ENROLLMENT-REPORT.
00044
00045 FD REPORT-FILE-2
00046 LABEL RECORDS OMITTED
00047 REPORT IS CLASS-ROLL-REPORT.
00048
00049 SD SORT-WORK-FILE
00050 DATA RECORD IS SORT-WORK-RECORD.
00051
00052 01 SORT-WORK-RECORD.
00053     02 SWR-DEPT-COURSE-SECT    PIC 9(06).
00054     02 FILLER                  REDEFINES SWR-DEPT-COURSE-SECT.
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00055          03  SWR-DEPARTMENT      PIC 9(02).
00056          03  SWR-COURSE          PIC 9(03).
00057          03  SWR-SECTION         PIC 9(01).
00058          02  SWR-STUDENT-NUMBER  PIC 9(07).
00059          02  SWR-STUDENT-NAME    PIC X(35).
00060
00061  WORKING-STORAGE SECTION.
00062
00063          01  SORT-WORK-EOF-SW      PIC X      VALUE 'N'.
00064          88  SORT-WORK-NOT-EOF      VALUE 'N'.
00065          88  SORT-WORK-EOF          VALUE 'Y'.
00066
00067          01  Y2K-GETD-PARAMETERS.
00068          02  Y2K-GETDP-DATE-G      PIC 9(8).
00069          02  Y2K-GETDP-DATE-J      PIC 9(7).
00070          02  Y2K-GETDP-ANUM        PIC S9(7).
00071          02  Y2K-GETDP-CLOCK      PIC 9(8).
00072          02  FILLER                REDEFINES Y2K-GETDP-CLOCK.
00073          03  Y2K-GETDP-CLOCK-HH    PIC 9(2).
00074          03  Y2K-GETDP-CLOCK-MM    PIC 9(2).
00075          03  Y2K-GETDP-CLOCK-SS    PIC 9(2).
00076          03  Y2K-GETDP-CLOCK-T    PIC 9(1).
00077          03  Y2K-GETDP-CLOCK-H     PIC 9(1).
00078          02  Y2K-GETDP-CLOCK12    PIC X(11).
00079
00080          01  Y2K-DFMT-PARAMETERS.
00081          02  Y2K-DFMTP-DATEIN      PIC X(8).
00082          02  Y2K-DFMTP-MAJOR       PIC X(1).
00083          02  Y2K-DFMTP-MINOR       PIC X(1).
00084          02  Y2K-DFMTP-RETURN-CODE PIC 9(1).
00085          02  Y2K-DFMTP-OUTPUT-SIZE PIC S9(2).
00086          02  Y2K-DFMTP-OUTPUT      PIC X(29).
00087
00088          01  VSIO-PARAMETER-VALUES COPY VSAMIO.
00089 C 000100* *****
00090 C 000200* *****
00091 C 000300*          VV  VV  SSSSS  A  M  M  IIII  00000  *06980000
00092 C 000400*          VV  VV  SS   SS   AAA  MM  MM  II   00  00  *06990000
00093 C 000500*          VV  VV  SS   AA  AA  MMM  MMM  II   00  00  *07000000
00094 C 000600*          VV  VV  SSSSS  AA  AA  MMMMMMMM  II   00  00  *07010000
00095 C 000700*          VV  VV  SS   SS  AA  AA  MM  M  MM  II   00  00  *07020000
00096 C 000800*          VV  VV  SS   SS  AAAAAA  MM  MM  II   00  00  *07030000
00097 C 000900*          VVV  SS   SS  AA  AA  MM  MM  II   00  00  *07040000
00098 C 001000*          V   SSSSS  AA  AA  MM  MM  IIII  00000  *07050000
00099 C 001100*          *07060000
00100 C 001200* *****
00101 C 001300* *****
00102 C 001400*  THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *07070000
00103 C 001500*  ACCESS ROUTINE. *07080000
00104 C 001600* *****
00105 C 001700*  THE VSIO-PARAMETER-VALUES SUPPLY THE VALUES USED TO MOVE INTO *07090000
00106 C 001800*  PARAMETER ENTRIES TO TAILOR THE ROUTINE TO A SPECIFIC DATASET *07100000
00107 C 001900*  AND TO PROVIDE COMMANDS TO DRIVE THE ROUTINE. *07110000
00108 C 002000* *****
00109 C 002100 01  VSIO-PARAMETER-VALUES. *07120000
00110 C 002200 02  VSIO-OPEN          PIC X(08) VALUE 'OPEN  ' . *07130000
00111 C 002300 02  VSIO-CLOSE        PIC X(08) VALUE 'CLOSE ' . *07140000

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00112 C 002400      02  VSIO-READ          PIC  X(08)  VALUE 'READ      ' . 07210000
00113 C 002500      02  VSIO-WRITE         PIC  X(08)  VALUE 'WRITE     ' . 07220000
00114 C 002600      02  VSIO-REWRITE        PIC  X(08)  VALUE 'REWRITE   ' . 07230000
00115 C 002700      02  VSIO-DELETE         PIC  X(08)  VALUE 'DELETE    ' . 07240000
00116 C 002800      02  VSIO-START-KEY-EQUAL PIC  X(08)  VALUE 'STARTEQ   ' . 07250000
00117 C 002900      02  VSIO-START-KEY-NOTLESS PIC X(08)  VALUE 'STARTGE   ' . 07260000
00118 C 003000      02  VSIO-KSDS           PIC  X(04)  VALUE 'KSDS' . 07270000
00119 C 003100      02  VSIO-ESDS           PIC  X(04)  VALUE 'ESDS' . 07280000
00120 C 003200      02  VSIO-RRDS           PIC  X(04)  VALUE 'RRDS' . 07290000
00121 C 003300      02  VSIO-SEQUENTIAL     PIC  X(10)  VALUE 'SEQUENTIAL' . 07300000
00122 C 003400      02  VSIO-DIRECT         PIC  X(10)  VALUE 'DIRECT    ' . 07310000
00123 C 003500      02  VSIO-DYNAMIC        PIC  X(10)  VALUE 'DYNAMIC   ' . 07320000
00124 C 003600      02  VSIO-INPUT          PIC  X(06)  VALUE 'INPUT     ' . 07330000
00125 C 003700      02  VSIO-OUTPUT         PIC  X(06)  VALUE 'OUTPUT    ' . 07340000
00126 C 003800      02  VSIO-INPUT-OUTPUT   PIC  X(06)  VALUE 'UPDATE' . 07350000
00127 C 003900      07360000
00128 C 004000* ***** *07370000
00129 C 004100* THE VSIO-PARAMETER-BLOCK IS THE COMMUNICATION INTERFACE TO *07380000
00130 C 004200* THE ROUTINE. *07390000
00131 C 004300* ***** *07400000
00132 C 004400 01  VSIO-PARAMETER-BLOCK. 07410000
00133 C 004500      02  VSIO-COMMAND          PIC  X(08). 07420000
00134 C 004600      02  VSIO-RETURN-CODE      PIC  S9(04) COMP. 07430000
00135 C 004700      88  VSIO-SUCCESS          VALUE +0. 07440000
00136 C 004800      88  VSIO-LOGIC-ERROR      VALUE +8. 07450000
00137 C 004900      88  VSIO-END-OF-FILE      VALUE +9999. 07460000
00138 C 005000      88  VSIO-PARAMETER-ERROR  VALUE +20 THRU +28. 07470000
00139 C 005100      88  VSIO-COMMAND-UNKNOWN  VALUE +20. 07480000
00140 C 005200      88  VSIO-DATASET-ALREADY-OPEN VALUE +21. 07490000
00141 C 005300      88  VSIO-DATASET-NOT-OPEN  VALUE +22. 07500000
00142 C 005400      88  VSIO-ORGANIZATION-KEYWORD VALUE +23. 07510000
00143 C 005500      88  VSIO-ACCESS-KEYWORD   VALUE +24. 07520000
00144 C 005600      88  VSIO-ACCESS-UNSUPPORTED VALUE +25. 07530000
00145 C 005700      88  VSIO-MODE-KEYWORD     VALUE +26. 07540000
00146 C 005800      88  VSIO-MODE-UNSUPPORTED VALUE +27. 07550000
00147 C 005900      88  VSIO-DDNAME-BLANK     VALUE +28. 07560000
00148 C 006000      02  VSIO-VSAM-RETURN-CODE  PIC  S9(04) COMP. 07570000
00149 C 006100      02  VSIO-VSAM-FUNCTION-CODE PIC S9(04) COMP. 07580000
00150 C 006200      02  VSIO-VSAM-FEEDBACK-CODE PIC S9(04) COMP. 07590000
00151 C 006300      88  VSIO-DUPLICATE-RECORD  VALUE +8. 07600000
00152 C 006400      88  VSIO-SEQUENCE-ERROR   VALUE +12. 07610000
00153 C 006500      88  VSIO-RECORD-NOT-FOUND  VALUE +16. 07620000
00154 C 006600      88  VSIO-NO-MORE-SPACE     VALUE +28. 07630000
00155 C 006700      88  VSIO-READ-WITHOUT-START VALUE +88. 07640000
00156 C 006800* ***** *07650000
00157 C 006900* END OF VSAMIO COPY BOOK *07660000
00158 C 007000* ***** *07670000
00159      01  TABLEI COPY VSAMIOFB.
00160 C 000100* ***** *00000100
00161 C 000200* ***** *00000200
00162 C 000300* VV VV SSSSS A M M IIII 00000 FFFFFFFF BBBB *00000300
00163 C 000400* VV VV SS SS AAA MM MM II 00 00 FF BB BB *00000400
00164 C 000500* VV VV SS AA AA MMM MMM II 00 00 FF BB BB *00000500
00165 C 000600* VV VV SSSSS AA AA MMMMMMMM II 00 00 FFFF BBBB *00000600
00166 C 000700* VV VV SS SS AA AA MM M MM II 00 00 FF BB BB *00000700
00167 C 000800* VV VV SS SS AAAAAA MM MM II 00 00 FF BB BB *00000800
00168 C 000900* VVV SS SS AA AA MM MM II 00 00 FF BB BB *00000900

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00169 C 001000*      V      SSSSS  AA  AA MM  MM IIII  00000  FF      BBBBBB  *00001000
00170 C 001100*                                           *00001100
00171 C 001200* *****                                           *00001200
00172 C 001300* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *00001300
00173 C 001400* ACCESS ROUTINE, AND ARE USED TO COMMUNICATE CHARACTERISTICS *00001400
00174 C 001500* FOR A SINGLE VSAM DATASET. *00001500
00175 C 001600*                                           *00001600
00176 C 001700* WITH THE 2 EXCEPTIONS FOR RECORD LENGTH (TO ACCOMODATE *00001700
00177 C 001800* VARIABLE LENGTH RECORDS) AND RELATIVE RECORD (TO ACCOMODATE *00001800
00178 C 001900* RELATIVE RECORD DATASETS) THESE DATA NAMES MUST BE POPULATED *00001900
00179 C 002000* PRIOR TO CALLING THE ROUTINE TO OPEN THE DATASET AND MUST NOT *00002000
00180 C 002100* THEN BE CHANGED UNTIL THE DATASET HAS BEEN CLOSED. *00002100
00181 C 002200* *****                                           *00002200
00182 C 002300 01  TABLEI.                                           00002300
00183 C 002400      02  VSIO-DDNAME          PIC  X(08)  VALUE SPACES.  00002400
00184 C 002500      02  VSIO-ORGANIZATION    PIC  X(04)  VALUE SPACES.  00002500
00185 C 002600      02  VSIO-ACCESS          PIC  X(10)  VALUE SPACES.  00002600
00186 C 002700      02  VSIO-MODE            PIC  X(06)  VALUE SPACES.  00002700
00187 C 002800      02  VSIO-RECORD-LENGTH   PIC  S9(04)  COMP VALUE +0. 00002800
00188 C 002900      02  VSIO-KEY-ARGUMENT.    00002900
00189 C 003000      03  VSIO-KEY-POSITION    PIC  S9(04)  COMP VALUE +0. 00003000
00190 C 003100      03  VSIO-KEY-LENGTH      PIC  S9(04)  COMP VALUE +0. 00003100
00191 C 003200      02  VSIO-RELATIVE-RECORD REDEFINES VSIO-KEY-ARGUMENT 00003200
00192 C 003300      PIC  S9(08)  COMP.        00003300
00193 C 003400      02  FILLER                PIC  X(01)  VALUE 'C'.    00003400
00194 C 003500      88  VSIO-FILE-OPEN        VALUE 'O'.    00003500
00195 C 003600      88  VSIO-FILE-CLOSED      VALUE 'C'.    00003600
00196 C 003700      02  FILLER                PIC  X(161).  00003700
00197 C 003800* *****                                           *00003800
00198 C 003900*                END OF VSAMIOFB COPY BOOK *00003900
00199 C 004000* *****                                           *00004000
00200      01  TABLES-RECORD          PIC  X(57).
00201
00202      01  DEPARTMENT-TABLE-RECORD.
00203      02  DTR-KEY                    PIC  9(06)  VALUE 0.
00204      02  FILLER                    REDEFINES DTR-KEY.
00205      03  DTR-DEPARTMENT             PIC  9(02).
00206      03  FILLER                    PIC  9(04).
00207      02  DTR-NAME                  PIC  X(40).
00208
00209      01  COURSE-TABLE-RECORD.
00210      02  CTR-KEY                    PIC  9(06)  VALUE 0.
00211      02  FILLER                    REDEFINES CTR-KEY.
00212      03  CTR-DEPARTMENT             PIC  9(02).
00213      03  CTR-COURSE                 PIC  9(03).
00214      03  FILLER                    PIC  9(01).
00215      02  CTR-NAME                   PIC  X(50).
00216      02  CTR-HOURS                 PIC  9(01).
00217
00218      01  SECTION-TABLE-RECORD.
00219      02  STR-KEY                    PIC  9(06)  VALUE 0.
00220      02  STR-NUMBER                 REDEFINES STR-KEY.
00221      03  STR-DEPARTMENT             PIC  9(02).
00222      03  STR-COURSE                 PIC  9(03).
00223      03  STR-SECTION                PIC  9(01).
00224      02  STR-DESCRIPTION            PIC  X(20).
00225      01  FILLER                    REDEFINES SECTION-TABLE-RECORD.

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00226          02  FILLER                      PIC 9(05).
00227          02  STR-SECTION-BREAK.
00228          03  STR-SB-SECTION              PIC 9(01).
00229          03  STR-SB-DESC                  PIC X(20).
00230
00231      01  COUNT-1                          PIC 9(01) VALUE 1.
00232
00233  REPORT SECTION.
00234  RD  ENROLLMENT-REPORT
00235      CONTROLS ARE DTR-DEPARTMENT, CTR-COURSE, STR-SECTION-BREAK
00236      PAGE LIMIT IS 66 LINES
00237      HEADING 2
00238      FIRST DETAIL 5
00239      LAST DETAIL 62.
00240
00241      01  ENROLLMENT-PAGE-HEAD TYPE PAGE HEADING.
00242          02  LINE 2.
00243              03  COLUMN 01  PIC X(10) SOURCE Y2K-DFMTP-OUTPUT.
00244              03  COLUMN 15  PIC X(03) VALUE '(V)'.
00245              03  COLUMN 30  PIC X(05) VALUE 'Royal'.
00246              03  COLUMN 36  PIC X(06) VALUE 'Valley'.
00247              03  COLUMN 43  PIC X(10) VALUE 'University'.
00248              03  COLUMN 73  PIC X(04) VALUE 'Page'.
00249              03  COLUMN 78  PIC ZZ9  SOURCE PAGE-COUNTER
00250                          OF ENROLLMENT-REPORT.
00251          02  LINE 3.
00252              03  COLUMN 01  PIC X(11) SOURCE Y2K-GETDP-CLOCK12.
00253              03  COLUMN 33  PIC X(17) VALUE 'Enrollment Report'.
00254
00255      01  ENROLLMENT-DEPT-HEAD TYPE CONTROL HEADING DTR-DEPARTMENT.
00256          02  LINE PLUS 1.
00257              03  COLUMN 01  PIC X(11) VALUE 'Department:'.
00258              03  COLUMN 13  PIC Z9  SOURCE DTR-DEPARTMENT.
00259              03  COLUMN 16  PIC X(40) SOURCE DTR-NAME.
00260
00261      01  ENROLLMENT-COURSE-HEAD TYPE CONTROL HEADING CTR-COURSE.
00262          02  LINE PLUS 1.
00263              03  COLUMN 03  PIC X(07) VALUE 'Course:'.
00264              03  COLUMN 12  PIC ZZ9  SOURCE CTR-COURSE.
00265              03  COLUMN 16  PIC X(50) SOURCE CTR-NAME.
00266          02  LINE PLUS 1.
00267
00268      01  ENROLLMENT-SECTION-DETAIL TYPE IS DETAIL.
00269          02  LINE PLUS 1.
00270              03  COLUMN 01  PIC 9(01) SOURCE COUNT-1.
00271
00272      01  ENROLLMENT-SECTION-FOOT TYPE CONTROL FOOTING
00273              STR-SECTION-BREAK.
00274          02  LINE PLUS 1.
00275              03  COLUMN 05  PIC X(08) VALUE 'Section:'.
00276              03  COLUMN 14  PIC 9(01) SOURCE STR-SB-SECTION.
00277              03  COLUMN 16  PIC X(20) SOURCE STR-SB-DESC.
00278              03  COLUMN 60  PIC ZZ9  SUM COUNT-1.
00279              03  COLUMN 63  PIC X(01) VALUE '*'.
00280          02  LINE PLUS 1.
00281
00282      01  ENROLLMENT-COURSE-FOOT TYPE CONTROL FOOTING CTR-COURSE.

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00283      02  LINE PLUS 1.
00284      03  COLUMN 04  PIC X(17) VALUE 'Course Enrollment'.
00285      03  COLUMN 57  PIC ZZ,ZZ9 SUM COUNT-1.
00286      03  COLUMN 63  PIC X(02) VALUE '***'.
00287      02  LINE PLUS 1.
00288
00289      01  ENROLLMENT-DEPT-FOOT TYPE CONTROL FOOTING DTR-DEPARTMENT.
00290      02  LINE PLUS 1.
00291      03  COLUMN 01  PIC X(21) VALUE 'Department Enrollment'.
00292      03  COLUMN 54  PIC Z,ZZZ,ZZ9 SUM COUNT-1.
00293      03  COLUMN 63  PIC X(03) VALUE '***'.
00294      02  LINE PLUS 2.
00295
00296      RD  CLASS-ROLL-REPORT
00297          CONTROLS ARE STR-KEY
00298          PAGE LIMIT IS 66 LINES
00299          HEADING 2
00300          FIRST DETAIL 5
00301          LAST DETAIL 58.
00302
00303      01  CLASS-ROLL-PAGE-HEAD TYPE PAGE HEADING.
00304      02  LINE 2.
00305      03  COLUMN 01  PIC X(10) SOURCE Y2K-DFMTP-OUTPUT.
00306      03  COLUMN 15  PIC X(03) VALUE '(V)'.
00307      03  COLUMN 30  PIC X(05) VALUE 'Royal'.
00308      03  COLUMN 36  PIC X(06) VALUE 'Valley'.
00309      03  COLUMN 43  PIC X(10) VALUE 'University'.
00310      03  COLUMN 73  PIC X(04) VALUE 'Page'.
00311      03  COLUMN 78  PIC ZZ9   SOURCE PAGE-COUNTER
00312                      OF CLASS-ROLL-REPORT.
00313      02  LINE 3.
00314      03  COLUMN 01  PIC X(11) SOURCE Y2K-GETDP-CLOCK12.
00315      03  COLUMN 36  PIC X(10) VALUE 'Class Roll'.
00316
00317      01  CLASS-ROLL-SECT-HEAD TYPE CONTROL HEADING STR-KEY.
00318      02  LINE PLUS 2.
00319      03  COLUMN 01  PIC X(11) VALUE 'Department:'.
00320      03  COLUMN 13  PIC Z9    SOURCE DTR-DEPARTMENT.
00321      03  COLUMN 16  PIC X(40) SOURCE DTR-NAME.
00322      02  LINE PLUS 2.
00323      03  COLUMN 03  PIC X(07) VALUE 'Course:'.
00324      03  COLUMN 12  PIC ZZ9   SOURCE CTR-COURSE.
00325      03  COLUMN 16  PIC X(50) SOURCE CTR-NAME.
00326      02  LINE PLUS 2.
00327      03  COLUMN 05  PIC X(08) VALUE 'Section:'.
00328      03  COLUMN 14  PIC 9(01) SOURCE STR-SECTION.
00329      03  COLUMN 16  PIC X(20) SOURCE STR-DESCRIPTION.
00330      02  LINE PLUS 1.
00331
00332      01  CLASS-ROLL-DETAIL TYPE IS DETAIL.
00333      02  LINE PLUS 1.
00334      03  COLUMN 10  PIC 9(01) SOURCE COUNT-1.
00335      03  COLUMN 10  PIC 9(07) SOURCE SWR-STUDENT-NUMBER.
00336      03  COLUMN 26  PIC X(35) SOURCE SWR-STUDENT-NAME.
00337
00338      01  CLASS-ROLL-SECT-FOOT TYPE CONTROL FOOTING STR-KEY
00339          NEXT GROUP NEXT PAGE.

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00340          02  LINE PLUS 2.
00341          03  COLUMN 07  PIC X(28) VALUE
00342              'Number of Students Enrolled:'.
00343          03  COLUMN 40  PIC ZZ9  SUM COUNT-1.
00344
00345  PROCEDURE DIVISION.
00346
00347  0000-MAIN SECTION.
00348
00349  0000-HOUSEKEEPING.
00350
00351          CALL 'Y2KGETD' USING Y2K-GETD-PARAMETERS.
00352          MOVE Y2K-GETDP-DATE-G TO Y2K-DFMTP-DATEIN.
00353          MOVE '1' TO Y2K-DFMTP-MAJOR.
00354          MOVE '3' TO Y2K-DFMTP-MINOR.
00355          CALL 'Y2KDFMT' USING Y2K-DFMT-PARAMETERS.
00356
00357  0100-SORT-ENROLLMENT-FILE.
00358
00359          SORT SORT-WORK-FILE
00360              ON ASCENDING KEY SWR-DEPARTMENT,
00361                              SWR-COURSE,
00362                              SWR-SECTION,
00363                              SWR-STUDENT-NAME
00364              USING STUDENT-ROSTER-FILE
00365              OUTPUT PROCEDURE IS 1000-LEVEL-1-ROUTINES.
00366
00367  GOBACK.
00368
00369  1000-LEVEL-1-ROUTINES SECTION.
00370
00371  1100-PROCESS-SORTED-ROSTER.
00372
00373          MOVE 'TABLEI ' TO VSIO-DDNAME.
00374          MOVE VSIO-RRDS TO VSIO-ORGANIZATION.
00375          MOVE VSIO-DIRECT TO VSIO-ACCESS.
00376          MOVE VSIO-INPUT TO VSIO-MODE.
00377          MOVE +57 TO VSIO-RECORD-LENGTH.
00378          MOVE VSIO-OPEN TO VSIO-COMMAND.
00379          CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, TABLEI,
00380                              TABLES-RECORD.
00381          IF NOT VSIO-SUCCESS
00382              DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00383                      VSIO-COMMAND
00384              EXHIBIT NAMED VSIO-RETURN-CODE,
00385              EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00386                          VSIO-VSAM-FUNCTION-CODE,
00387                          VSIO-VSAM-FEEDBACK-CODE
00388              MOVE +12 TO RETURN-CODE
00389              STOP RUN.
00390
00391          OPEN OUTPUT REPORT-FILE-1,
00392                  REPORT-FILE-2.
00393          INITIATE ENROLLMENT-REPORT,
00394                  CLASS-ROLL-REPORT.
00395
00396          PERFORM 2100-RETURN-SORT-WORK-FILE

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00397          THRU 2199-EXIT
00398          UNTIL SORT-WORK-EOF.
00399
00400          TERMINATE ENROLLMENT-REPORT,
00401                  CLASS-ROLL-REPORT.
00402
00403          MOVE VSIO-CLOSE TO VSIO-COMMAND.
00404          CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, TABLEI,
00405                  TABLES-RECORD.
00406          IF NOT VSIO-SUCCESS
00407              DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00408                      VSIO-COMMAND
00409              EXHIBIT NAMED VSIO-RETURN-CODE,
00410                      EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00411                      VSIO-VSAM-FUNCTION-CODE,
00412                      VSIO-VSAM-FEEDBACK-CODE.
00413
00414          CLOSE REPORT-FILE-1,
00415                  REPORT-FILE-2.
00416
00417          2000-LEVEL-2-ROUTINES SECTION.
00418
00419          2100-RETURN-SORT-WORK-FILE.
00420
00421          RETURN SORT-WORK-FILE
00422                  AT END
00423                  MOVE 'Y' TO SORT-WORK-EOF-SW.
00424
00425          IF SORT-WORK-NOT-EOF
00426              PERFORM 3100-PRODUCE-REPORT-ITEMS
00427                      THRU 3199-EXIT.
00428
00429          2199-EXIT.
00430          EXIT.
00431
00432          3000-LEVEL-3-ROUTINES SECTION.
00433
00434          3100-PRODUCE-REPORT-ITEMS.
00435
00436          IF SWR-DEPARTMENT NOT = DTR-DEPARTMENT
00437              PERFORM 4100-RETRIEVE-DEPT-TABLE
00438                      THRU 4199-EXIT
00439              PERFORM 4200-RETRIEVE-COURSE-TABLE
00440                      THRU 4299-EXIT
00441              PERFORM 4300-RETRIEVE-SECT-TABLE
00442                      THRU 4399-EXIT
00443          ELSE
00444              IF SWR-COURSE NOT = CTR-COURSE
00445                  PERFORM 4200-RETRIEVE-COURSE-TABLE
00446                      THRU 4299-EXIT
00447                  PERFORM 4300-RETRIEVE-SECT-TABLE
00448                      THRU 4399-EXIT
00449              ELSE
00450                  IF SWR-SECTION NOT = STR-SECTION
00451                      PERFORM 4300-RETRIEVE-SECT-TABLE
00452                      THRU 4399-EXIT.
00453
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10

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00511                VSIO-VSAM-FEEDBACK-CODE
00512                MOVE +12 TO RETURN-CODE
00513                STOP RUN.
00514
00515    4299-EXIT.
00516        EXIT.
00517
00518    4300-RETRIEVE-SECT-TABLE.
00519
00520        MOVE ZEROS TO STR-KEY.
00521        MOVE SWR-DEPARTMENT TO STR-DEPARTMENT.
00522        MOVE SWR-COURSE TO STR-COURSE.
00523        MOVE SWR-SECTION TO STR-SECTION.
00524        MOVE STR-KEY TO VSIO-RELATIVE-RECORD.
00525        MOVE VSIO-READ TO VSIO-COMMAND.
00526        CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, TABLEI,
00527                                TABLES-RECORD.
00528        IF VSIO-SUCCESS
00529            MOVE TABLES-RECORD TO SECTION-TABLE-RECORD
00530        ELSE
00531            IF VSIO-LOGIC-ERROR
00532                IF VSIO-RECORD-NOT-FOUND
00533                    MOVE '*** Not Found ***' TO STR-DESCRIPTION
00534                ELSE
00535                    DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00536                                VSIO-COMMAND
00537                    EXHIBIT NAMED VSIO-RETURN-CODE,
00538                    EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00539                                VSIO-VSAM-FUNCTION-CODE,
00540                                VSIO-VSAM-FEEDBACK-CODE
00541                MOVE +12 TO RETURN-CODE
00542                STOP RUN.
00543
00544    4399-EXIT.
00545        EXIT.
00546
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INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=2-016	FD	STUDENT-ROSTER-FILE	DCB=01		DNM=2-016		QSAM				F
DNM=2-048	01	STUDENT-ROSTER-RECORD	BL=1	000	DNM=2-048	DS 0CL48	GROUP				
DNM=2-082	02	SRR-DEPARTMENT	BL=1	000	DNM=2-082	DS 2C	DISP-NM				
DNM=2-106	02	SRR-COURSE	BL=1	002	DNM=2-106	DS 3C	DISP-NM				
DNM=2-126	02	SRR-SECTION	BL=1	005	DNM=2-126	DS 1C	DISP-NM				
DNM=2-147	02	SRR-STUDENT-NUMBER	BL=1	006	DNM=2-147	DS 7C	DISP-NM				
DNM=2-175	02	SRR-STUDENT-NAME	BL=1	00D	DNM=2-175	DS 35C	DISP				
DNM=2-201	FD	REPORT-FILE-1	DCB=02		DNM=2-201		QSAM				F
DNM=2-227	01	-0001	BL=2	000	DNM=2-227	DS 133C	DISP				
DNM=2-245	FD	REPORT-FILE-2	DCB=03		DNM=2-245		QSAM				F
DNM=2-271	01	-0002	BL=3	000	DNM=2-271	DS 133C	DISP				
DNM=2-286	SD	SORT-WORK-FILE			DNM=2-286						F
DNM=2-312	01	SORT-WORK-RECORD	BLL=3	000	DNM=2-312	DS 0CL48	GROUP				
DNM=2-341	02	SWR-DEPT-COURSE-SECT	BLL=3	000	DNM=2-341	DS 6C	DISP-NM				
DNM=2-371	02	FILLER	BLL=3	000	DNM=2-371	DS 0CL6	GROUP	R			
DNM=2-390	03	SWR-DEPARTMENT	BLL=3	000	DNM=2-390	DS 2C	DISP-NM				
DNM=2-414	03	SWR-COURSE	BLL=3	002	DNM=2-414	DS 3C	DISP-NM				
DNM=2-434	03	SWR-SECTION	BLL=3	005	DNM=2-434	DS 1C	DISP-NM				
DNM=2-455	02	SWR-STUDENT-NUMBER	BLL=3	006	DNM=2-455	DS 7C	DISP-NM				
DNM=2-483	02	SWR-STUDENT-NAME	BLL=3	00D	DNM=2-483	DS 35C	DISP				
DNM=3-000	01	SORT-WORK-EOF-SW	BL=4	000	DNM=3-000	DS 1C	DISP				
DNM=3-029	88	SORT-WORK-NOT-EOF			DNM=3-029						
DNM=3-057	88	SORT-WORK-EOF			DNM=3-057						
DNM=3-081	01	Y2K-GETD-PARAMETERS	BL=4	008	DNM=3-081	DS 0CL41	GROUP				
DNM=3-113	02	Y2K-GETDP-DATE-G	BL=4	008	DNM=3-113	DS 8C	DISP-NM				
DNM=3-139	02	Y2K-GETDP-DATE-J	BL=4	010	DNM=3-139	DS 7C	DISP-NM				
DNM=3-165	02	Y2K-GETDP-ANUM	BL=4	017	DNM=3-165	DS 7C	DISP-NM				
DNM=3-192	02	Y2K-GETDP-CLOCK	BL=4	01E	DNM=3-192	DS 8C	DISP-NM				
DNM=3-217	02	FILLER	BL=4	01E	DNM=3-217	DS 0CL8	GROUP	R			
DNM=3-239	03	Y2K-GETDP-CLOCK-HH	BL=4	01E	DNM=3-239	DS 2C	DISP-NM				
DNM=3-267	03	Y2K-GETDP-CLOCK-MM	BL=4	020	DNM=3-267	DS 2C	DISP-NM				
DNM=3-295	03	Y2K-GETDP-CLOCK-SS	BL=4	022	DNM=3-295	DS 2C	DISP-NM				
DNM=3-323	03	Y2K-GETDP-CLOCK-T	BL=4	024	DNM=3-323	DS 1C	DISP-NM				
DNM=3-350	03	Y2K-GETDP-CLOCK-H	BL=4	025	DNM=3-350	DS 1C	DISP-NM				
DNM=3-377	02	Y2K-GETDP-CLOCK12	BL=4	026	DNM=3-377	DS 11C	DISP				
DNM=3-404	01	Y2K-DFMT-PARAMETERS	BL=4	038	DNM=3-404	DS 0CL42	GROUP				
DNM=3-436	02	Y2K-DFMTP-DATEIN	BL=4	038	DNM=3-436	DS 8C	DISP				
DNM=3-465	02	Y2K-DFMTP-MAJOR	BL=4	040	DNM=3-465	DS 1C	DISP				
DNM=4-000	02	Y2K-DFMTP-MINOR	BL=4	041	DNM=4-000	DS 1C	DISP				
DNM=4-025	02	Y2K-DFMTP-RETURN-CODE	BL=4	042	DNM=4-025	DS 1C	DISP-NM				
DNM=4-056	02	Y2K-DFMTP-OUTPUT-SIZE	BL=4	043	DNM=4-056	DS 2C	DISP-NM				
DNM=4-087	02	Y2K-DFMTP-OUTPUT	BL=4	045	DNM=4-087	DS 29C	DISP				
DNM=4-113	01	VSIO-PARAMETER-VALUES	BL=4	068	DNM=4-113	DS 0CL124	GROUP				
DNM=4-147	02	VSIO-OPEN	BL=4	068	DNM=4-147	DS 8C	DISP				
DNM=4-166	02	VSIO-CLOSE	BL=4	070	DNM=4-166	DS 8C	DISP				
DNM=4-186	02	VSIO-READ	BL=4	078	DNM=4-186	DS 8C	DISP				
DNM=4-208	02	VSIO-WRITE	BL=4	080	DNM=4-208	DS 8C	DISP				
DNM=4-228	02	VSIO-REWRITE	BL=4	088	DNM=4-228	DS 8C	DISP				
DNM=4-250	02	VSIO-DELETE	BL=4	090	DNM=4-250	DS 8C	DISP				
DNM=4-271	02	VSIO-START-KEY-EQUAL	BL=4	098	DNM=4-271	DS 8C	DISP				
DNM=4-304	02	VSIO-START-KEY-NOTLESS	BL=4	0A0	DNM=4-304	DS 8C	DISP				
DNM=4-339	02	VSIO-KSDS	BL=4	0A8	DNM=4-339	DS 4C	DISP				
DNM=4-361	02	VSIO-ESDS	BL=4	0AC	DNM=4-361	DS 4C	DISP				
DNM=4-383	02	VSIO-RRDS	BL=4	0B0	DNM=4-383	DS 4C	DISP				
DNM=4-402	02	VSIO-SEQUENTIAL	BL=4	0B4	DNM=4-402	DS 10C	DISP				

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=4-427	02	VSIO-DIRECT	BL=4	0BE	DNM=4-427	DS 10C	DISP				
DNM=4-448	02	VSIO-DYNAMIC	BL=4	0C8	DNM=4-448	DS 10C	DISP				
DNM=4-470	02	VSIO-INPUT	BL=4	0D2	DNM=4-470	DS 6C	DISP				
DNM=4-490	02	VSIO-OUTPUT	BL=4	0D8	DNM=4-490	DS 6C	DISP				
DNM=5-000	02	VSIO-INPUT-OUTPUT	BL=4	0DE	DNM=5-000	DS 6C	DISP				
DNM=5-027	01	VSIO-PARAMETER-BLOCK	BL=4	0E8	DNM=5-027	DS 0CL16	GROUP				
DNM=5-060	02	VSIO-COMMAND	BL=4	0E8	DNM=5-060	DS 8C	DISP				
DNM=5-082	02	VSIO-RETURN-CODE	BL=4	0F0	DNM=5-082	DS 2C	COMP				
DNM=5-111	88	VSIO-SUCCESS			DNM=5-111						
DNM=5-136	88	VSIO-LOGIC-ERROR			DNM=5-136						
DNM=5-165	88	VSIO-END-OF-FILE			DNM=5-165						
DNM=5-199	88	VSIO-PARAMETER-ERROR			DNM=5-199						
DNM=5-229	88	VSIO-COMMAND-UNKNOWN			DNM=5-229						
DNM=5-266	88	VSIO-DATASET-ALREADY-OPEN			DNM=5-266						
DNM=5-305	88	VSIO-DATASET-NOT-OPEN			DNM=5-305						
DNM=5-340	88	VSIO-ORGANIZATION-KEYWORD			DNM=5-340						
DNM=5-379	88	VSIO-ACCESS-KEYWORD			DNM=5-379						
DNM=5-412	88	VSIO-ACCESS-UNSUPPORTED			DNM=5-412						
DNM=5-449	88	VSIO-MODE-KEYWORD			DNM=5-449						
DNM=6-000	88	VSIO-MODE-UNSUPPORTED			DNM=6-000						
DNM=6-035	88	VSIO-DDNAME-BLANK			DNM=6-035						
DNM=6-066	02	VSIO-VSAM-RETURN-CODE	BL=4	0F2	DNM=6-066	DS 2C	COMP				
DNM=6-097	02	VSIO-VSAM-FUNCTION-CODE	BL=4	0F4	DNM=6-097	DS 2C	COMP				
DNM=6-130	02	VSIO-VSAM-FEEDBACK-CODE	BL=4	0F6	DNM=6-130	DS 2C	COMP				
DNM=6-166	88	VSIO-DUPLICATE-RECORD			DNM=6-166						
DNM=6-200	88	VSIO-SEQUENCE-ERROR			DNM=6-200						
DNM=6-236	88	VSIO-RECORD-NOT-FOUND			DNM=6-236						
DNM=6-271	88	VSIO-NO-MORE-SPACE			DNM=6-271						
DNM=6-303	88	VSIO-READ-WITHOUT-START			DNM=6-303						
DNM=6-340	01	TABLEI	BL=4	0F8	DNM=6-340	DS 0CL196	GROUP				
DNM=6-362	02	VSIO-DDNAME	BL=4	0F8	DNM=6-362	DS 8C	DISP				
DNM=6-383	02	VSIO-ORGANIZATION	BL=4	100	DNM=6-383	DS 4C	DISP				
DNM=6-410	02	VSIO-ACCESS	BL=4	104	DNM=6-410	DS 10C	DISP				
DNM=6-431	02	VSIO-MODE	BL=4	10E	DNM=6-431	DS 6C	DISP				
DNM=6-450	02	VSIO-RECORD-LENGTH	BL=4	114	DNM=6-450	DS 2C	COMP				
DNM=6-478	02	VSIO-KEY-ARGUMENT	BL=4	116	DNM=6-478	DS 0CL4	GROUP				
DNM=7-000	03	VSIO-KEY-POSITION	BL=4	116	DNM=7-000	DS 2C	COMP				
DNM=7-030	03	VSIO-KEY-LENGTH	BL=4	118	DNM=7-030	DS 2C	COMP				
DNM=7-055	02	VSIO-RELATIVE-RECORD	BL=4	116	DNM=7-055	DS 4C	COMP	R			
DNM=7-085	02	FILLER	BL=4	11A	DNM=7-085	DS 1C	DISP				
DNM=7-107	88	VSIO-FILE-OPEN			DNM=7-107						
DNM=7-132	88	VSIO-FILE-CLOSED			DNM=7-132						
DNM=7-159	02	FILLER	BL=4	11B	DNM=7-159	DS 161C	DISP				
DNM=7-178	01	TABLES-RECORD	BL=4	1C0	DNM=7-178	DS 57C	DISP				
DNM=7-201	01	DEPARTMENT-TABLE-RECORD	BL=4	200	DNM=7-201	DS 0CL46	GROUP				
DNM=7-237	02	DTR-KEY	BL=4	200	DNM=7-237	DS 6C	DISP-NM				
DNM=7-254	02	FILLER	BL=4	200	DNM=7-254	DS 0CL6	GROUP	R			
DNM=7-276	03	DTR-DEPARTMENT	BL=4	200	DNM=7-276	DS 2C	DISP-NM				
DNM=7-300	03	FILLER	BL=4	202	DNM=7-300	DS 4C	DISP-NM				
DNM=7-319	02	DTR-NAME	BL=4	206	DNM=7-319	DS 40C	DISP				
DNM=7-337	01	COURSE-TABLE-RECORD	BL=4	230	DNM=7-337	DS 0CL57	GROUP				
DNM=7-369	02	CTR-KEY	BL=4	230	DNM=7-369	DS 6C	DISP-NM				
DNM=7-386	02	FILLER	BL=4	230	DNM=7-386	DS 0CL6	GROUP	R			
DNM=7-408	03	CTR-DEPARTMENT	BL=4	230	DNM=7-408	DS 2C	DISP-NM				
DNM=7-435	03	CTR-COURSE	BL=4	232	DNM=7-435	DS 3C	DISP-NM				

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=7-455	03	FILLER	BL=4	235	DNM=7-455	DS 1C	DISP-NM				
DNM=7-474	02	CTR-NAME	BL=4	236	DNM=7-474	DS 50C	DISP				
DNM=7-492	02	CTR-HOURS	BL=4	268	DNM=7-492	DS 1C	DISP-NM				
DNM=8-000	01	SECTION-TABLE-RECORD	BL=4	270	DNM=8-000	DS 0CL26	GROUP				
DNM=8-033	02	STR-KEY	BL=4	270	DNM=8-033	DS 6C	DISP-NM				
DNM=8-050	02	STR-NUMBER	BL=4	270	DNM=8-050	DS 0CL6	GROUP	R			
DNM=8-076	03	STR-DEPARTMENT	BL=4	270	DNM=8-076	DS 2C	DISP-NM				
DNM=8-100	03	STR-COURSE	BL=4	272	DNM=8-100	DS 3C	DISP-NM				
DNM=8-120	03	STR-SECTION	BL=4	275	DNM=8-120	DS 1C	DISP-NM				
DNM=8-144	02	STR-DESCRIPTION	BL=4	276	DNM=8-144	DS 20C	DISP				
DNM=8-169	01	FILLER	BL=4	270	DNM=8-169	DS 0CL26	GROUP	R			
DNM=8-191	02	FILLER	BL=4	270	DNM=8-191	DS 5C	DISP-NM				
DNM=8-210	02	STR-SECTION-BREAK	BL=4	275	DNM=8-210	DS 0CL21	GROUP				
DNM=8-240	03	STR-SB-SECTION	BL=4	275	DNM=8-240	DS 1C	DISP-NM				
DNM=8-264	03	STR-SB-DESC	BL=4	276	DNM=8-264	DS 20C	DISP				
DNM=8-285	01	COUNT-1	BL=4	290	DNM=8-285	DS 1C	DISP-NM				
DNM=8-302	01	PRINT-SWITCH	BL=4	298	DNM=8-302	DS 1C	DISP-NM				
DNM=8-324	RD	ENROLLMENT-REPORT			DNM=8-324						
DNM=8-353	01	CTL.LVL	BL=4	2A0	DNM=8-353	DS 2P	COMP-3				
DNM=8-370	01	TER.COD	BL=4	2A8	DNM=8-370	DS 1C	DISP				
DNM=8-387	01	FRS.GEN	BL=4	2B0	DNM=8-387	DS 1C	DISP				
DNM=8-404	01	LIN.SAV	BL=4	2B8	DNM=8-404	DS 2C	COMP				
DNM=8-421	01	FRS.GRP	BL=4	2C0	DNM=8-421	DS 1C	DISP				
DNM=8-438	01	ABS.LIN	BL=4	2C8	DNM=8-438	DS 2C	COMP				
DNM=8-455	01	LIN.NUM	BL=4	2D0	DNM=8-455	DS 2P	COMP-3				
DNM=8-472	77	-0003	BL=4	2D2	DNM=8-472	DS 2C	DISP-NM				
DNM=8-487	77	-0004	BL=4	2D4	DNM=8-487	DS 2C	DISP-NM				
DNM=9-000	77	-0005	BL=4	2D6	DNM=9-000	DS 3C	DISP-NM				
DNM=9-015	77	-0006	BL=4	2D9	DNM=9-015	DS 3C	DISP-NM				
DNM=9-030	77	-0007	BL=4	2DC	DNM=9-030	DS 21C	DISP				
DNM=9-045	77	-0008	BL=4	2F1	DNM=9-045	DS 21C	DISP				
DNM=9-060	01	LINE-COUNTER	BL=4	308	DNM=9-060	DS 3P	COMP-3				
DNM=9-082	01	PAGE-COUNTER	BL=4	310	DNM=9-082	DS 3P	COMP-3				
DNM=9-104	01	RPT.RCD	BL=4	318	DNM=9-104	DS 0CL133	GROUP				
DNM=9-124	02	CTL.CHR	BL=4	318	DNM=9-124	DS 1C	DISP				
DNM=9-141	02	RPT.LIN	BL=4	319	DNM=9-141	DS 132C	DISP				
DNM=9-158	02	E.0001	BL=4	319	DNM=9-158	DS 10C	DISP	R			
DNM=9-177	02	E.0002	BL=4	327	DNM=9-177	DS 3C	DISP	R			
DNM=9-193	02	E.0003	BL=4	336	DNM=9-193	DS 5C	DISP	R			
DNM=9-209	02	E.0004	BL=4	33C	DNM=9-209	DS 6C	DISP	R			
DNM=9-225	02	E.0005	BL=4	343	DNM=9-225	DS 10C	DISP	R			
DNM=9-241	02	E.0006	BL=4	361	DNM=9-241	DS 4C	DISP	R			
DNM=9-257	02	E.0007	BL=4	366	DNM=9-257	DS 3C	NM-EDIT	R			
DNM=9-283	02	E.0008	BL=4	319	DNM=9-283	DS 11C	DISP	R			
DNM=9-299	02	E.0009	BL=4	339	DNM=9-299	DS 17C	DISP	R			
DNM=9-315	02	E.0010	BL=4	319	DNM=9-315	DS 11C	DISP	R			
DNM=9-331	02	E.0011	BL=4	325	DNM=9-331	DS 2C	NM-EDIT	R			
DNM=9-354	02	E.0012	BL=4	328	DNM=9-354	DS 40C	DISP	R			
DNM=9-370	02	E.0013	BL=4	31B	DNM=9-370	DS 7C	DISP	R			
DNM=9-386	02	E.0014	BL=4	324	DNM=9-386	DS 3C	NM-EDIT	R			
DNM=9-412	02	E.0015	BL=4	328	DNM=9-412	DS 50C	DISP	R			
DNM=9-431	02	E.0016	BL=4	319	DNM=9-431	DS 1C	DISP-NM	R			
DNM=9-450	02	E.0017	BL=4	31D	DNM=9-450	DS 8C	DISP	R			
DNM=9-469	02	E.0018	BL=4	326	DNM=9-469	DS 1C	DISP-NM	R			
DNM=9-485	02	E.0019	BL=4	328	DNM=9-485	DS 20C	DISP	R			

INTRNL NAME	LVL	SOURCE	NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=10-000	02	E.0020		BL=4	354	DNM=10-000	DS 3C	NM-EDIT	R			
DNM=10-023	02	E.0021		BL=4	357	DNM=10-023	DS 1C	DISP	R			
DNM=10-039	02	E.0022		BL=4	31C	DNM=10-039	DS 17C	DISP	R			
DNM=10-055	02	E.0023		BL=4	351	DNM=10-055	DS 6C	NM-EDIT	R			
DNM=10-082	02	E.0024		BL=4	357	DNM=10-082	DS 2C	DISP	R			
DNM=10-101	02	E.0025		BL=4	319	DNM=10-101	DS 21C	DISP	R			
DNM=10-117	02	E.0026		BL=4	34E	DNM=10-117	DS 9C	NM-EDIT	R			
DNM=10-151	02	E.0027		BL=4	357	DNM=10-151	DS 3C	DISP	R			
DNM=10-167	01	N.0001		BL=4	3A0	DNM=10-167	DS 2C	COMP				
DNM=10-186	01	N.0002		BL=4	3A8	DNM=10-186	DS 2C	COMP				
DNM=10-202	01	N.0003		BL=4	3B0	DNM=10-202	DS 2C	COMP				
DNM=10-221	01	N.0004		BL=4	3B8	DNM=10-221	DS 2C	COMP				
DNM=10-240	01	N.0005		BL=4	3C0	DNM=10-240	DS 2C	COMP				
DNM=10-256	01	N.0006		BL=4	3C8	DNM=10-256	DS 2C	COMP				
DNM=10-272	01	GRP.IND		BL=4	3D0	DNM=10-272	DS 0CL1	GROUP				
DNM=10-292	02	GP.0000		BL=4	3D0	DNM=10-292	DS 1C	DISP				
DNM=10-309	01	S.0001		BL=4	3D8	DNM=10-309	DS 2P	COMP-3				
DNM=10-325	01	S.0002		BL=4	3E0	DNM=10-325	DS 3P	COMP-3				
DNM=10-341	01	S.0003		BL=4	3E8	DNM=10-341	DS 4P	COMP-3				
DNM=10-357	RD	CLASS-ROLL-REPORT				DNM=10-357						
DNM=10-386	01	CTL.LVL		BL=4	3F0	DNM=10-386	DS 2P	COMP-3				
DNM=10-406	01	TER.COD		BL=4	3F8	DNM=10-406	DS 1C	DISP				
DNM=10-426	01	FRS.GEN		BL=4	400	DNM=10-426	DS 1C	DISP				
DNM=10-446	01	LIN.SAV		BL=4	408	DNM=10-446	DS 2C	COMP				
DNM=10-466	01	FRS.GRP		BL=4	410	DNM=10-466	DS 1C	DISP				
DNM=10-486	01	ABS.LIN		BL=4	418	DNM=10-486	DS 2C	COMP				
DNM=11-000	01	LIN.NUM		BL=4	420	DNM=11-000	DS 2P	COMP-3				
DNM=11-020	77	-0009		BL=4	422	DNM=11-020	DS 6C	DISP-NM				
DNM=11-038	77	-0010		BL=4	428	DNM=11-038	DS 6C	DISP-NM				
DNM=11-053	01	LINE-COUNTER		BL=4	430	DNM=11-053	DS 3P	COMP-3				
DNM=11-078	01	PAGE-COUNTER		BL=4	438	DNM=11-078	DS 3P	COMP-3				
DNM=11-103	01	RPT.RCD		BL=4	440	DNM=11-103	DS 0CL133	GROUP				
DNM=11-126	02	CTL.CHR		BL=4	440	DNM=11-126	DS 1C	DISP				
DNM=11-146	02	RPT.LIN		BL=4	441	DNM=11-146	DS 132C	DISP				
DNM=11-166	02	E.0028		BL=4	441	DNM=11-166	DS 10C	DISP	R			
DNM=11-182	02	E.0029		BL=4	44F	DNM=11-182	DS 3C	DISP	R			
DNM=11-201	02	E.0030		BL=4	45E	DNM=11-201	DS 5C	DISP	R			
DNM=11-220	02	E.0031		BL=4	464	DNM=11-220	DS 6C	DISP	R			
DNM=11-236	02	E.0032		BL=4	46B	DNM=11-236	DS 10C	DISP	R			
DNM=11-252	02	E.0033		BL=4	489	DNM=11-252	DS 4C	DISP	R			
DNM=11-268	02	E.0034		BL=4	48E	DNM=11-268	DS 3C	NM-EDIT	R			
DNM=11-291	02	E.0035		BL=4	441	DNM=11-291	DS 11C	DISP	R			
DNM=11-307	02	E.0036		BL=4	464	DNM=11-307	DS 10C	DISP	R			
DNM=11-326	02	E.0037		BL=4	441	DNM=11-326	DS 11C	DISP	R			
DNM=11-342	02	E.0038		BL=4	44D	DNM=11-342	DS 2C	NM-EDIT	R			
DNM=11-365	02	E.0039		BL=4	450	DNM=11-365	DS 40C	DISP	R			
DNM=11-384	02	E.0040		BL=4	443	DNM=11-384	DS 7C	DISP	R			
DNM=11-400	02	E.0041		BL=4	44C	DNM=11-400	DS 3C	NM-EDIT	R			
DNM=11-423	02	E.0042		BL=4	450	DNM=11-423	DS 50C	DISP	R			
DNM=11-439	02	E.0043		BL=4	445	DNM=11-439	DS 8C	DISP	R			
DNM=11-455	02	E.0044		BL=4	44E	DNM=11-455	DS 1C	DISP-NM	R			
DNM=11-471	02	E.0045		BL=4	450	DNM=11-471	DS 20C	DISP	R			
DNM=11-487	02	E.0046		BL=4	44A	DNM=11-487	DS 1C	DISP-NM	R			
DNM=12-000	02	E.0047		BL=4	44A	DNM=12-000	DS 7C	DISP-NM	R			
DNM=12-016	02	E.0048		BL=4	45A	DNM=12-016	DS 35C	DISP	R			

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=12-032	02	E.0049	BL=4	447	DNM=12-032	DS 28C	DISP	R			
DNM=12-051	02	E.0050	BL=4	468	DNM=12-051	DS 3C	NM-EDIT	R			
DNM=12-074	01	N.0007	BL=4	4C8	DNM=12-074	DS 2C	COMP				
DNM=12-090	01	N.0008	BL=4	4D0	DNM=12-090	DS 2C	COMP				
DNM=12-106	01	N.0009	BL=4	4D8	DNM=12-106	DS 2C	COMP				
DNM=12-125	01	GRP.IND	BL=4	4E0	DNM=12-125	DS 0CL1	GROUP				
DNM=12-148	02	GP.0000	BL=4	4E0	DNM=12-148	DS 1C	DISP				
DNM=12-168	01	S.0004	BL=4	4E8	DNM=12-168	DS 2P	COMP-3				

```
*STATISTICS*      SOURCE RECORDS =   546      DATA DIVISION STATEMENTS =   139      PROCEDURE DIVISION STATEMENTS =   108
*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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CARD	ERROR MESSAGE
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249	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
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311	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
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F64-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED LIST,XREF,LET
DEFAULT OPTION(S) USED - SIZE=(65536,38912)
IEW0000 NAME READ02V(R)

CROSS REFERENCE TABLE

CONTROL SECTION			ENTRY							
NAME	ORIGIN	LENGTH	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
READ02V	00	303E								
ILBODSP0*	3040	700								
ILBOSPA0*	3740	2D8								
ILBOSRT0*	3A18	3D4								
ILBOSTP0*	3DF0	35								
			ILBOSTP1	3E06						
VSAMIO *	3E28	D0A								
Y2KDFMT *	4B38	60A								
Y2KDOWN *	5148	FB								
Y2KGT0A *	5248	2DF								
Y2KGETD *	5528	201								
Y2KGT0J *	5730	137								
Y2KJT0G *	5868	1CD								
Y2KAT0G *	5A38	27A								
LOCATION	REFERS TO	SYMBOL	IN CONTROL SECTION		LOCATION	REFERS TO	SYMBOL	IN CONTROL SECTION		
B90		ILBOSTP0	ILBOSTP0		B94		ILBOSPA0	ILBOSPA0		
B98		Y2KGETD	Y2KGETD		B9C		Y2KDFMT	Y2KDFMT		
BA0		ILBOSRT0	ILBOSRT0		BA4		ILBOSTP1	ILBOSTP0		
BA8		VSAMIO	VSAMIO		BAC		ILBODSP0	ILBODSP0		
5120		Y2KDOWN	Y2KDOWN		5228		Y2KGT0A	Y2KGT0A		
56F8		Y2KJT0G	Y2KJT0G		56FC		Y2KGT0J	Y2KGT0J		
5700		Y2KGT0A	Y2KGT0A		5848		Y2KGT0A	Y2KGT0A		
5A08		Y2KGT0A	Y2KGT0A		5A0C		Y2KAT0G	Y2KAT0G		
ENTRY ADDRESS		00								
TOTAL LENGTH		5CB8								
****READ02V DOES NOT EXIST BUT HAS BEEN ADDED TO DATA SET										
AUTHORIZATION CODE IS		0.								