```
SSSSSSSSS    IIIIIIIII   MM          MM  OOOOOOOOOOO   NN        NN  CCCCCCCCCC   OOOOOOOOOOO
SSSSSSSSSSS   IIIIIIIII   MMM        MMM  OOOOOOOOOOO   NNN       NN  CCCCCCCCCCC  OOOOOOOOOOO
SS        SS      II      MMMM      MMMM  OO       OO   NNNN      NN  CC        CC OO       OO
SS               II      MM MM    MM MM  OO       OO   NN NN     NN  CC           OO       OO
SSS              II      MM  MMMM MM  MM  OO       OO   NN  NN    NN  CC           OO       OO
SSSSSSSS         II      MM   MM  MM  OO       OO   NN   NN   NN  CC           OO       OO
SSSSSSSS         II      MM       MM  OO       OO   NN    NN  NN  CC           OO       OO
SSS          II      MM       MM  OO       OO   NN     NN NN  CC           OO       OO
SS         II      MM       MM  OO       OO   NN      NNNN  CC           OO       OO
SS        SS      II      MM       MM  OO       OO   NN       NNN  CC        CC OO       OO
SSSSSSSSSSSS  IIIIIIIII   MM       MM  OOOOOOOOOOO   NN        NN  CCCCCCCCCCC  OOOOOOOOOOO
SSSSSSSSS    IIIIIIIII   MM       MM  OOOOOOOOOOO   NN         N  CCCCCCCCCC   OOOOOOOOOOO


JJJJJJJJJ        11      777777777777  555555555555                          AAAAAAAAAA
JJJJJJJJJ        111     77777777777   555555555555                          AAAAAAAAAAAA
JJ         1111        77       77  55                                 AA        AA
JJ          11              77     55                                 AA        AA
JJ          11              77     55                                 AA        AA
JJ          11             77      555555555                          AAAAAAAAAAAA
JJ          11             77      5555555555                         AAAAAAAAAAAA
JJ          11             77               55                        AA        AA
JJ    JJ     11             77               55                        AA        AA
JJ    JJ     11             77               55                        AA        AA
JJJJJJJ    1111111111        77      555555555555                       AA        AA
JJJJJ      1111111111        77      55555555555                        AA        AA


****A  START  JOB  175  SIMONCO   BIBLIOGRAPHY        ROOM        2.14.00 PM 17 MAY 24  PRINTER1  SYS HMVS  JOB  175  START  A****
```

```
                        J E S 2   J O B   L O G

14.13.59 JOB  175  $HASP373 SIMONCO  STARTED - INIT  1 - CLASS A - SYS HMVS
14.13.59 JOB  175  IEF403I SIMONCO - STARTED - TIME=14.13.59
14.14.00 JOB  175  IEFACTRT COB     /IKFCBL00/00:00:00.07/00:00:00.15/00000/SIMONCO
14.14.00 JOB  175  IEFACTRT GO      /LOADER  /00:00:00.06/00:00:00.11/00000/SIMONCO
14.14.00 JOB  175  IEF404I SIMONCO - ENDED - TIME=14.14.00
14.14.00 JOB  175  $HASP395 SIMONCO  ENDED


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

 17 MAY 24 JOB EXECUTION DATE

        89 CARDS READ

       214 SYSOUT PRINT RECORDS

         0 SYSOUT PUNCH RECORDS

      0.00 MINUTES EXECUTION TIME
```

```
   1      //SIMONCO JOB (1),'BIBLIOGRAPHY',CLASS=A,MSGCLASS=A                    JOB  175
   2      //LEAPY  EXEC PROC=COB2UCG,SYSOUT='*'
   3      XXCOBUCG PROC SYSOUT=A                                                 00000100
          ***      PROC FOR COBOL OS/VS 1.2.4                                    00000200
   4      XXCOB    EXEC  PGM=IKFCBL00,REGION=4M,PARM='LOAD'                       00000300
   5      XXSTEPLIB  DD  DSN=SIMON.COB.VSCOLIB,DISP=SHR                           00000400
   6      XXSYSPRINT DD  SYSOUT=&SYSOUT                                          00000500
   7      XXSYSPUNCH DD  SYSOUT=B                                                00000600
   8      XXSYSUT1   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))                            00000700
   9      XXSYSUT2   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))                            00000800
  10      XXSYSUT3   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))                            00000900
  11      XXSYSUT4   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))                            00001000
  12      XXSYSLIN   DD  DSN=&&LOADSET,UNIT=SYSDA,DISP=(MOD,PASS),               00001100
          XX             SPACE=(TRK,(3,3)),DCB=BLKSIZE=800                       00001200
  13      //SYSIN   DD *
  14      XXGO     EXEC  PGM=LOADER,COND=(5,LT,COB)                              00001300
  15      XXSYSLIN   DD  DSN=&&LOADSET,DISP=(OLD,DELETE)                         00001400
  16      XXSYSLOUT  DD  SYSOUT=&SYSOUT                                          00001500
  17      XXSYSOUT   DD  SYSOUT=&SYSOUT                                          00001600
  18      XXSYSLIB   DD  DSN=SIMON.COB.VSCLLIB,DISP=SHR                          00001700
  19      //GO.INPUT  DD *
  20      //GO.OUTPUT DD SYSOUT=*,
          //             DCB=(RECFM=FBA,LRECL=132,BLKSIZE=13200)
```

```
 STMT NO. MESSAGE
-
    6     IEF653I SUBSTITUTION JCL - SYSOUT=*
   16     IEF653I SUBSTITUTION JCL - SYSOUT=*
   17     IEF653I SUBSTITUTION JCL - SYSOUT=*
IEF236I ALLOC. FOR SIMONCO COB LEAPY
IEF237I 180  ALLOCATED TO STEPLIB
IEF237I 180  ALLOCATED TO SYS00018
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSPUNCH
IEF237I 251  ALLOCATED TO SYSUT1
IEF237I 252  ALLOCATED TO SYSUT2
IEF237I 252  ALLOCATED TO SYSUT3
IEF237I 251  ALLOCATED TO SYSUT4
IEF237I 252  ALLOCATED TO SYSLIN
IEF237I JES2 ALLOCATED TO SYSIN
IEF142I SIMONCO COB LEAPY - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SIMON.COB.VSCOLIB                     KEPT          *--------0
IEF285I   VOL SER NOS= PUB000.
IEF285I   UCPUB000                              KEPT          *--------0
IEF285I   VOL SER NOS= PUB000.
IEF285I   JES2.JOB00175.SO0103                  SYSOUT
IEF285I   JES2.JOB00175.SO0104                  SYSOUT
IEF285I   SYS24138.T141359.RA000.SIMONCO.R0000001   DELETED   *--------6
IEF285I   VOL SER NOS= WORK00.
IEF285I   SYS24138.T141359.RA000.SIMONCO.R0000002   DELETED   *--------6
IEF285I   VOL SER NOS= WORK01.
IEF285I   SYS24138.T141359.RA000.SIMONCO.R0000003   DELETED   *-------12
IEF285I   VOL SER NOS= WORK01.
IEF285I   SYS24138.T141359.RA000.SIMONCO.R0000004   DELETED   *--------6
IEF285I   VOL SER NOS= WORK00.
IEF285I   SYS24138.T141359.RA000.SIMONCO.LOADSET   PASSED     *--------8
IEF285I   VOL SER NOS= WORK01.
IEF285I   JES2.JOB00175.SI0101                  SYSIN
IEF373I STEP /COB    / START 24138.1413
IEF374I STEP /COB    / STOP  24138.1414 CPU    0MIN 00.06SEC SRB    0MIN 00.01SEC VIRT   136K SYS    208K
**** JOB NAME: SIMONCO  JOBCARD READ 2024/138 14:13:59 370/ 84 VS2 R03.8 HMVS ***********************************************
*                                                                                                       *
*  STEP NUMBER:        1  USER CORE:       136K  START TIME:   14:13:59     CPU TIME:     00:00:00.07  ACTIVE TIME:  00:00:00.09 *
*  STEP NAME:     COB      SYSTEM CORE:     208K  STOP TIME:    14:14:00     SRB TIME:     00:00:00.01  ALLOC TIME:   14:13:59    *
*  PROGRAM NAME: IKFCBL00  REGION SIZE:     4096K  ELAPSED TIME: 00:00:00.15  TCB TIME:     00:00:00.06  PROGRAM LOAD: 14:14:00   *
*  CONDITION CODE:   00000  PERFORMANCE GROUP: 004                                                       *
*                          JES2 CARDS:        6        SERVICE UNITS  PAGES IN/OUT  # SWAPS  PAGES SWAP IN/OUT  VIO PAGES IN/OUT *
*                                                          245       0 /   0       0          0 /   0          0 /   0 *
*                                                                                                       *
*   ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  *
*  180/D3380       0 180/D3380       0 251/D3350       6 252/D3350       6 252/D3350      12 251/D3350       6 *
*  252/D3350       8                                                                                     *
*****************************************************************************************************************
IEF236I ALLOC. FOR SIMONCO GO LEAPY
IEF237I 252  ALLOCATED TO SYSLIN
IEF237I JES2 ALLOCATED TO SYSLOUT
IEF237I JES2 ALLOCATED TO SYSOUT
IEF237I 180  ALLOCATED TO SYSLIB
```

```
IEF237I 180  ALLOCATED TO SYS00020
IEF237I JES2 ALLOCATED TO INPUT
IEF237I JES2 ALLOCATED TO OUTPUT
IEF142I SIMONCO GO LEAPY - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS24138.T141359.RA000.SIMONCO.LOADSET      DELETED        *--------9
IEF285I   VOL SER NOS= WORK01.
IEF285I   JES2.JOB00175.SO0105                        SYSOUT
```

```
IEF285I    JES2.JOB00175.SO0106                        SYSOUT
IEF285I    SIMON.COB.VSCLLIB                           KEPT          *-------62
IEF285I    VOL SER NOS= PUB000.
IEF285I    UCPUB000                                    KEPT          *--------0
IEF285I    VOL SER NOS= PUB000.
IEF285I    JES2.JOB00175.SI0102                        SYSIN
IEF285I    JES2.JOB00175.SO0107                        SYSOUT
IEF373I STEP /GO     / START 24138.1414
IEF374I STEP /GO     / STOP  24138.1414 CPU    0MIN 00.05SEC SRB    0MIN 00.01SEC VIRT    332K SYS    212K
********************************************************************************************************************
*                                                                                                                *
*  STEP NUMBER:        2  USER CORE:        332K  START TIME:    14:14:00     CPU TIME:     00:00:00.06  ACTIVE TIME:  00:00:00.08 *
*  STEP NAME:     GO       SYSTEM CORE:     212K  STOP TIME:     14:14:00     SRB TIME:     00:00:00.01  ALLOC TIME:   14:14:00    *
*  PROGRAM NAME: LOADER    REGION SIZE:     512K  ELAPSED TIME: 00:00:00.11  TCB TIME:      00:00:00.05  PROGRAM LOAD: 14:14:00    *
*  CONDITION CODE:   00000  PERFORMANCE GROUP: 004                                                                *
*                          JES2 CARDS:         1       SERVICE UNITS  PAGES IN/OUT  # SWAPS  PAGES SWAP IN/OUT  VIO PAGES IN/OUT *
*                                                           414        0 /   0        0           0 /   0           0 /    0 *
*                                                                                                                *
*   ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  *
*   252/D3350        9  180/D3380        62  180/D3380         0                                                  *
********************************************************************************************************************
IEF375I  JOB /SIMONCO / START 24138.1413
IEF376I  JOB /SIMONCO / STOP  24138.1414 CPU    0MIN 00.11SEC SRB    0MIN 00.02SEC
```

    1   14.14.00   MAY 17,1924


```
00001           IDENTIFICATION DIVISION.
00002           PROGRAM-ID. BIBLIOGRAPHY-LIST.
00003           AUTHOR. SIMON SULSER.
00004       *
00005           ENVIRONMENT DIVISION.
00006           CONFIGURATION SECTION.
00007           SOURCE-COMPUTER. IBM-370.
00008           OBJECT-COMPUTER. IBM-370.
00009       *
00010           INPUT-OUTPUT SECTION.
00011           FILE-CONTROL.
00012               SELECT BIBLIO-FILE ASSIGN TO UT-S-INPUT.
00013               SELECT PRINT-FILE ASSIGN TO UT-S-OUTPUT.
00014       *
00015           DATA DIVISION.
00016           FILE SECTION.
00017           FD  BIBLIO-FILE
00018               LABEL RECORD IS OMITTED.
00019           01  BIBLIO-RECORD.
00020               05  BOOK-TITLE          PIC X(30).
00021               05  BOOK-AUTHOR         PIC X(25).
00022               05  BOOK-PUBLISHER      PIC X(21).
00023               05  BOOK-PRICE          PIC 99V99.
00024       *
00025           FD  PRINT-FILE
00026               LABEL RECORD IS OMITTED.
00027           01  PRINT-LINE.


00028               05  FILLER              PIC X(19).
00029               05  BOOK-AUTHOR         PIC X(25).
00030               05  FILLER              PIC X(5).
00031               05  BOOK-TITLE          PIC X(30).
00032               05  FILLER              PIC X(5).
00033               05  BOOK-PUBLISHER      PIC X(21).
00034               05  FILLER              PIC X(4).
00035               05  BOOK-PRICE          PIC $99.99.
00036               05  FILLER              PIC X(17).
00037       *
00038           WORKING-STORAGE SECTION.
00039       *
00040           PROCEDURE DIVISION.
00041           000-MAIN.
00042               PERFORM INITIALIZATION.
00043               PERFORM READ-PROCESS-PRINT 15 TIMES.
00044               PERFORM CLOSING.
00045               STOP RUN.
00046       *
```

```
00047        INITIALIZATION.
00048            OPEN INPUT BIBLIO-FILE.
00049            OPEN OUTPUT PRINT-FILE.
00050            MOVE SPACES TO PRINT-LINE.
00051        *
00052       READ-PROCESS-PRINT.
00053            READ BIBLIO-FILE
00054               AT END STOP RUN.
```

```
00055            MOVE BOOK-TITLE OF BIBLIO-RECORD TO

00056                BOOK-TITLE OF PRINT-LINE.
00057            MOVE BOOK-AUTHOR OF BIBLIO-RECORD TO
00058                BOOK-AUTHOR OF PRINT-LINE.
00059            MOVE BOOK-PUBLISHER OF BIBLIO-RECORD TO
00060                BOOK-PUBLISHER OF PRINT-LINE.
00061            MOVE BOOK-PRICE OF BIBLIO-RECORD TO
00062                BOOK-PRICE OF PRINT-LINE.
00063            WRITE PRINT-LINE.
00064        *
00065         CLOSING.
00066            CLOSE BIBLIO-FILE, PRINT-FILE.
```

STATISTICS   SOURCE RECORDS =   66   DATA DIVISION STATEMENTS =   17   PROCEDURE DIVISION STATEMENTS =   15

OPTIONS IN EFFECT   SIZE = 131072 BUF =   12288 LINECNT = 57 SPACE1, FLAGW,   SEQ,   SOURCE
OPTIONS IN EFFECT   NODMAP, NOPMAP, NOCLIST, NOSUPMAP, NOXREF, NOSXREF,   LOAD, NODECK, QUOTE, NOTRUNC, NOFLOW
OPTIONS IN EFFECT   NOTERM, NONUM, NOBATCH, NONAME, COMPILE=01, NOSTATE, NORESIDENT, NODYNAM, NOLIB, NOSYNTAX
OPTIONS IN EFFECT   NOOPTIMIZE, NOSYMDMP, NOTEST,   VERB,   ZWB, SYST, NOENDJOB, NOLVL
OPTIONS IN EFFECT   NOLST , NOFDECK,NOCDECK, LCOL2, L120,   DUMP ,   ADV , NOPRINT,
OPTIONS IN EFFECT   NOCOUNT, NOVBSUM, NOVBREF, LANGLVL(2)

```
                                    VS LOADER

OPTIONS USED - PRINT,NOMAP,NOLET,CALL,RES,NOTERM,SIZE=307200,NAME=**GO

   TOTAL LENGTH      2010
   ENTRY ADDRESS    9C010
```

MCGRAW-HILL BOOK CO	MIS CONCEPTUAL FOUNDATIONS	DAVIS, GORDON B.	$13.95
MCGRAW-HILL BOOK CO.	COMPUTERS IN SOCIETY	SANDERS, DONALD H.	$10.95
PRENTICE-HALL, INC	RPG FOR IBM SYSTEMS/360,370	LOSCHETTER, RICHARD P	$20.50
ADOISON-WESLEY, INC.	INTRO DIGITAL COMPUTING	RDEN, BRUCE W.	$13.95
MCGRAW-HILL BOOK CO.	COMPUTER OATA PROCESSING	DAVIS, GORDON B.	$13.50
JOHN WILEY SONS INC	EOP FOR AUDITORS	BROWN, HARRY	$07.95
PRENTICE-HALL, INC.	FUNDAMENTAL COBOL, IBM 360	JONES, ROBERT L.	$09.50
MCGRAW-HILL BOOK	ELEMENTS OF PROGRAMMING STYLE	KERNIGHAN/PLAUGER CO.	$03.95
PRENTICE-HALL, INC.	COMPUTER SORTING	FLORES, IVAN	$14.95
RINEHART PRESS	INTRODUCTION TO FORTRAN IV	DICKSON/SMITH	$06.75
PRENTICE-HALL, INC.	THE COMPUTERIZED SOCIETY	MARTIN/NORMAN	$10.95
MCGRAW HILL BOOK CO.	COMPUTERS IN BUSINESS	SANDERS, DONALD	$08.95
SPARTAN BOOKS	GAME PLAYING WITH COMPUTERS	SPENCER, DONALD O.	$12.95
PETROCELLI/CHARTER	INTRO TO DECISION SCIENCE	LEE/MOORE	$14.50
PETROCELLI/CHARTER	AUDIT AND CONTROL OF COMP.SYS.	JANCURA, ELISE G.	$13.95

```
              SSSSSSSSS     IIIIIIIII   MM          MM  OOOOOOOOOOO  NN          NN  CCCCCCCCCC   OOOOOOOOOOO
             SSSSSSSSSSS    IIIIIIIII   MMM        MMM  OOOOOOOOOOO  NNN         NN  CCCCCCCCCCC  OOOOOOOOOOO
            SS         SS       II      MMMM      MMMM  OO        OO  NNNN        NN  CC        CC  OO        OO
            SS                  II      MM MM    MM MM  OO        OO  NN NN       NN  CC            OO        OO
            SSS                 II      MM  MMMM MM  MM  OO        OO  NN  NN      NN  CC            OO        OO
             SSSSSSSS           II      MM   MM   MM  OO        OO  NN   NN     NN  CC            OO        OO
              SSSSSSSS          II      MM        MM  OO        OO  NN    NN    NN  CC            OO        OO
                   SSS          II      MM        MM  OO        OO  NN     NN   NN  CC            OO        OO
                    SS          II      MM        MM  OO        OO  NN      NNNN  CC            OO        OO
            SS         SS       II      MM        MM  OO        OO  NN       NNN  CC        CC  OO        OO
            SSSSSSSSSSSS    IIIIIIIIII   MM        MM  OOOOOOOOOOO  NN          NN  CCCCCCCCCCCC  OOOOOOOOOOO
             SSSSSSSSSS    IIIIIIIII   MM        MM  OOOOOOOOOOO  NN           N  CCCCCCCCCC   OOOOOOOOOOO


               JJJJJJJJJ       11       777777777777  555555555555                              AAAAAAAAAA
               JJJJJJJJJ       111      77777777777   555555555555                             AAAAAAAAAAAA
                    JJ        1111      77        77  55                                        AA        AA
                    JJ         11                77  55                                        AA        AA
                    JJ         11                77  55                                        AA        AA
                    JJ         11            77  555555555                                    AAAAAAAAAAAA
                    JJ         11            77  5555555555                                   AAAAAAAAAAAA
                    JJ         11         77             55                                    AA        AA
            JJ      JJ         11         77             55                                    AA        AA
            JJ      JJ         11         77             55                                    AA        AA
            JJJJJJJJ      1111111111      77  555555555555                                    AA        AA
             JJJJJJ       1111111111      77  55555555555                                     AA        AA


****A   END   JOB  175  SIMONCO    BIBLIOGRAPHY         ROOM        2.14.00 PM 17 MAY 24   PRINTER1  SYS HMVS   JOB  175   END   A****
```