

```
// LOG PRINTER,NOEJECT
// DATE 050509
// NOHALT
*
*** MOVE 'DEMO' SOURCE DECK TO R1.
*
// LOAD $MAINT,F1
// RUN
// COPY FROM-READER,TO-R1,LIBRARY-S,RETAIN-R,NAME-DEMO
// END
*
*** RUN MACRO PROCESSOR.
*
// LOAD $MPXDV,F1
// COMPILE SOURCE-DEMO,UNIT-R1
// FILE NAME-$SOURCE,PACK-F2F2F2,UNIT-F2,RETAIN-T,TRACKS-25
// RUN
*
*** ASSEMBLE THE 'DEMO' SOURCE.
*
// LOAD $ASSEM,F2
// SWITCH 1000000
// COMPILE OBJECT-R1,SOURCE-DUMMY,UNIT-R1
// FILE NAME-$SOURCE,PACK-F2F2F2,UNIT-F2,RETAIN-S,TRACKS-25
// FILE NAME-$WORK,PACK-F2F2F2,UNIT-F2,RETAIN-S,TRACKS-25
// FILE NAME-$WORK1,PACK-F2F2F2,UNIT-F2,RETAIN-S,TRACKS-25
// RUN
```

OPTIONS NODECK,XREF,REL,OBJ(R)

THERE ARE ONE OR MORE ERRORS IN THE PARAMETERS ON THE CONTROL STATEMENTS PRINTED ABOVE

THE LIST OF OPTIONS USED DURING THIS ASSEMBLY IS-- NODECK,LIST,XREF,REL,OBJ

EXTERNAL SYMBOL LIST

SYMBOL TYPE

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DEMO MODULE

```

1 *****
2 * THIS IS A DEMO PROGRAM. IT WILL PRINT A MESSAGE ON THE *
3 * LOG DEVICE, DETERMINED BY THE // LOG OCL STATEMENT. *
4 * *
5 * CREATED 31/08/2006 WISEMBACH, FR. *
6 *****
    
```

```

0000      8 DEMO   START X'0000'
          9 *     $PRNT LEN=LNGM01,NAME-MESS01
0000 F2 87 05 10+*   PRINT A MESSAGE ON SYSLOG      RELEASE-7
          11+    J     $S001                      JUMP AROUND PARAMETER TABLE
          0003 12+$001 EQU *                     GENERATE MACRO LABEL
0003 0000    0004 13+    DC   XL2'0000'          PRINT WITH WAIT COMMAND
0005 23      0005 14+    DC   AL1(LNGM01)        LENGTH OF OUTPUT MESSAGE
0006 0016    0007 15+    DC   AL2(MESS01)        OUTPUT MESSAGE ADDRESS
0008 C2 02 0003 16+$S001 LA   $001,$PARM          LOAD PARM TABLE @ IN REG 2
000C C0 87 0004 17+    B     4                     GO TO GENERAL ENTRY
0010 85      0010 18+    DC   XL1'85'           RIB - PRINT
          19 *     $EOJ
0011 C0 87 0004 20+*   END OF JOB LINKAGE          RELEASE-7
          21+    B     4                     BRANCH TO GENERAL ENTRY
0015 84      0015 22+    DC   XL1'84'           END OF JOB
          23 *
          0016 24 MESS01 EQU *
0016 0D2525  0018 25     DC   XL3'0D2525'
          26 *
0019 405C5C5C40C88593 0038 27     DC   CL32' *** Hello world. *** '
0021 939640A696999384 27
0029 4B405C5C5C404040 27
0031 4040404040404040 27
          0039 28 ENDM01 EQU *
          0023 29 LNGM01 EQU ENDM01-MESS01
          30 *     $COMN
          31+*   COMMON LABELS FOR SYSTEM MACROS  RELEASE-7
          0001 32+$IOB EQU 1                     IOB ADDRESS
          0002 33+$DTF EQU 2                     DTF ADDRESS
          0002 34+$LDADR EQU 2                   LOAD ADDRESS
          0002 35+$PARM EQU 2                   PARAMETER LIST ADDRESS
          0008 36+$ARR EQU 8                     ADDRESS RECALL REGISTER
          0010 37+$IAR EQU 16                   INSTRUCTION ADDRESS REGISTER
          0010 38+$TRU EQU X'10'                TEST TRUE
          0090 39+$FLS EQU X'90'                TEST FALSE
          0004 40+$HI EQU X'04'                TEST HIGH
          0002 41+$LO EQU X'02'                TEST LOW
          0001 42+$EQ EQU X'01'                TEST EQUAL
          0020 43+$OVFB EQU X'20'               BINARY OVERFLOW
          0008 44+$OVFD EQU X'08'               DECIMAL OVERFLOW
          FFFF 45     END
    
```

TOTAL STATEMENTS IN ERROR IN THIS ASSEMBLY = 0

CROSS REFERENCE

SYMBOL LEN VALUE DEFN REFERENCES VER 15, MOD 00 05/05/09 PAGE 3

SYMBOL	LEN	VALUE	DEFN	REFERENCES
\$ARR	001	0008	0036	
\$DTF	001	0002	0033	
\$EQ	001	0001	0042	
\$FLS	001	0090	0039	
\$HI	001	0004	0040	
\$IAR	001	0010	0037	
\$IOB	001	0001	0032	
\$LDADR	001	0002	0034	
\$LO	001	0002	0041	
\$OVFB	001	0020	0043	
\$OVFD	001	0008	0044	
\$PARM	001	0002	0035	0016*
\$S001	004	0008	0016	0011
\$TRU	001	0010	0038	
\$001	001	0003	0012	0016
DEMO	001	0000	0008	
ENDM01	001	0039	0028	0029
LNGM01	001	0023	0029	0014
MESS01	001	0016	0024	0015 0029

TOTAL STATEMENTS IN ERROR IN THIS ASSEMBLY = 0

OL105 I THE CODE LENGTH OF DEMO IS 57 DECIMAL.  
 OL103 I TOTAL NUMBER OF LIBRARY SECTORS REQUIRED IS 1  
 NAME-DEMO ,PACK-R1R1R1,UNIT-R1,RETAIN-T,LIBRARY-R,CATEGORY-000

\*

\*\*\* LINK IT ALL TOGETHER.

\*

```
// LOAD $OLINK,F1
// FILE NAME-$SOURCE,PACK-F2F2F2,UNIT-F2,RETAIN-S,TRACKS-25
// FILE NAME-$WORK,PACK-F2F2F2,UNIT-F2,RETAIN-S,TRACKS-25
// RUN
// PHASE NAME-DEMO,UNIT-R1,RETAIN-R,LINKADD-X'1700'
// INCLUDE NAME-DEMO,UNIT-R1
// END
```

START ADDRESS	CATEGORY	NAME AND ENTRY	CODE LENGTH HEXADECIMAL	DECIMAL
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1700	0	DEMO	0039	57
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OL100 I THE TOTAL CORE USED BY DEMO IS 57 DECIMAL.

OL101 I THE START CONTROL ADDRESS OF THIS MODULE IS 1700.

OL104 I TOTAL NUMBER OF LIBRARY SECTORS REQUIRED IS 1

NAME-DEMO ,PACK-R1R1R1,UNIT-R1,RETAIN-P,LIBRARY-O

\*

\*\*\* RUN THE END RESULT.

\*

// LOAD DEMO,R1

// RUN

\*\*\* Hello world. \*\*\*

\*

// PAUSE