
Assembly listing for file dir/dir.sasm

```
SrcLin -Addr- Op Oprnd    --- Source line ---
  1      #
  2      # EXAMPLE SCEPSIS PROGRAM
  3      #
  4 000000      MAIN      EQU *
  5 000000 20 0000      LIA B'0          # A = 0
  6 000003 21 0001      LIB D'1          # B = 1
  7 000006 22 000A      LIC X'A          # C = 10
  8 000009 29 0040      STB X'40'        # STORE B IN MEMORY ADDRESS X'40'
  9 00000C 10 1000      JMP LOOP
 10      #
 11      # BIG STORAGE GAP
 12      #
 13 00000F      GAP      EQU
 14      #
 15      #
 16      #
 17 001000      1000     LOOP    BASE X'1000    # START THIS AT ADDRESS X1000
 18      #          ADI D'01'        # A = A + 1
 19 001000 E8 0040      ADM X'40'        # A = A + VALUEFROMMEMADRES(X'40')
 20 001003 30          OPA          # OUTPUT A
 21 001004 E2 0003      CPI B'11'        # COMPARE A WITH 3
 22 001007 14 1000      JL LOOP         # JUMP TO 'LOOP' WHEN A < 3
 23 00100A 10 101C      JMP SKIP
 24      #
 25      # TESTING THE DC DIRECTIVE
 26      #
 27 00100D      12233      DC X'12233445566778899AABBCCDDEEFF'
 28      #
 29      # OK, JUST GOOFING AROUND IN THIS LAST PART
 30      #
 31 00101C      SKIP      EQU
 32 00101C 20 0003      LIA B'11          # A = 3
 33 00101F 21 0002      LIB D'2          # B = 2
 34 001022 22 0001      LIC X'1          # C = 1
 35 001025 FF      ENDING HLT          # STOP
 36      #
 37 001026      DS      CL64
 38      #
 39 001066      41424      DC C'ABC'
 40 001069      2AAA      DC B'10101010101010'
 41 00106B      0FFF      DC D'4095'
 42      #
```

Phase 1 parsing ended successfully

Phase 2 parsing ended successfully

Phase 3 parsing ended successfully

End of assembly for file dir/dir.sasm
