

Assembler Boot Camp Exercise No. 2

This program is decidedly abnormal. The source code is intentionally difficult to understand. No sane person writes code like this.

Don't try to understand the source program. (“Object code only – nothing else matters!”) If you can follow its execution, Assembler Language will hold no fears for you.

```
ABCLAB2  CSECT
          USING ABCLAB2,12
          LR    12,15
          A     15,X
          BALR  12,15
X         DC   F'18'
          DC   F'4'
EXIT     BR    14
          L    10,X-4
          B    X-4(10)
          END  ABCLAB2

$ENTRY
```

Your listing will look like this:

```
000000          00000 0001A    1 ABCLAB2  CSECT
          00000          2          USING ABCLAB2,12
000000 18CF          3          LR    12,15
000002 5AF0 C008          4          A     15,X
000006 05CF          5          BALR  12,15
000008 00000012        6 X         DC   F'18'
00000C 00000004        7          DC   F'4'
000010 07FE          8 EXIT    BR    14
000012 58A0 C004          9          L    10,X-4
000016 47FA C004        10         B    X-4(10)
          11         END  ABCLAB2
```

What is worth noting about the USING statement?