

نحوه Debug کردن برنامه P1.exe

```

C:\ F:\WIN_XP\system32\cmd.exe
F:\\Asm>DEBUG P1.EXE
-R
AX=0000 BX=0000 CX=00F4 DX=0000 SP=00C8 BP=0000 SI=0000 DI=0000
DS=13AF ES=13AF SS=13BF CS=13CD IP=0000  NU UP EI PL NZ NA PO NC
13CD:0000 B8CC13          MOV     AX,13CC
-T
AX=13CC BX=0000 CX=00F4 DX=0000 SP=00C8 BP=0000 SI=0000 DI=0000
DS=13AF ES=13AF SS=13BF CS=13CD IP=0003  NU UP EI PL NZ NA PO NC
13CD:0003 8ED8          MOV     DS,AX
-T
AX=13CC BX=0000 CX=00F4 DX=0000 SP=00C8 BP=0000 SI=0000 DI=0000
DS=13CC ES=13AF SS=13BF CS=13CD IP=0005  NU UP EI PL NZ NA PO NC
13CD:0005 A10000          MOV     AX,[0000]          DS:0000=000F
-T
AX=000F BX=0000 CX=00F4 DX=0000 SP=00C8 BP=0000 SI=0000 DI=0000
DS=13CC ES=13AF SS=13BF CS=13CD IP=0008  NU UP EI PL NZ NA PO NC
13CD:0008 03060200        ADD     AX,[0002]          DS:0002=0019
-T
AX=0028 BX=0000 CX=00F4 DX=0000 SP=00C8 BP=0000 SI=0000 DI=0000
DS=13CC ES=13AF SS=13BF CS=13CD IP=000C  NU UP EI PL NZ AC PE NC
13CD:000C A30400          MOV     [0004],AX          DS:0004=0000
-T
AX=0028 BX=0000 CX=00F4 DX=0000 SP=00C8 BP=0000 SI=0000 DI=0000
DS=13CC ES=13AF SS=13BF CS=13CD IP=000F  NU UP EI PL NZ AC PE NC
13CD:000F B8004C          MOV     AX,4C00
-D DS:0000 L6
13CC:0000 0F 00 19 00 28 00          ....<
-T
AX=4C00 BX=0000 CX=00F4 DX=0000 SP=00C8 BP=0000 SI=0000 DI=0000
DS=13CC ES=13AF SS=13BF CS=13CD IP=0012  NU UP EI PL NZ AC PE NC
13CD:0012 CD21          INT     21
-P
Program terminated normally
-Q
F:\Asm>

```

(جواد راستی - درس زبان اسمبلی و برنامه‌سازی سیستم)

;Program P1.asm

```

STKSG SEGMENT PARA STACK 'STACK'
        DW 100 DUP(?)
STKSG ENDS

```

```

DATASG SEGMENT  PARA PRIVATE 'DATA'
        X  DW 15
        Y  DW 25
        Z  DW ?
DATASG ENDS

```

```

CODESG  SEGMENT  PARA PRIVATE 'CODE'

MAIN PROC FAR

```

```

        ASSUME DS:DATASG, CS:CODESG, SS:STKSG

```

```

        MOV  AX, DATASG  ;Move the start address
        MOV  DS, AX      ;of data segment to DS

```

```

        MOV  AX, X
        ADD  AX, Y
        MOV  Z, AX

```

```

        MOV  AX, 4C00H   ;Terminate program
        INT  21H

```

```

MAIN ENDP

```

```

CODESG ENDS

```

```

END MAIN

```