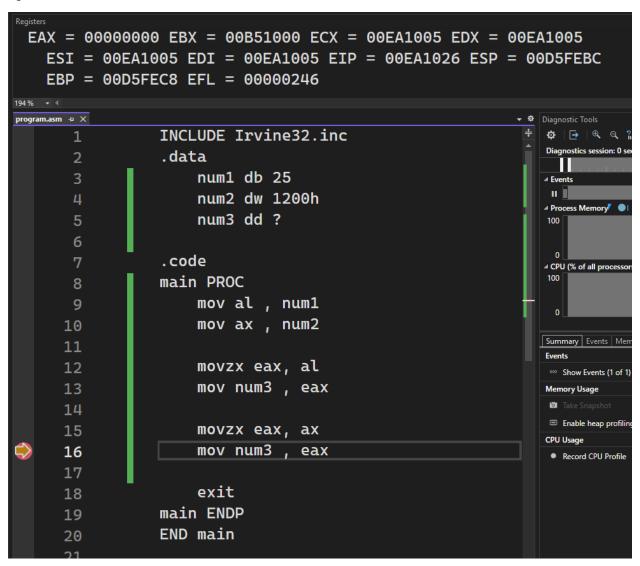
## 24K0025 - Syed Hanzala Ali

## LAB 04 TASK

Q1



```
INCLUDE Irvine32.inc
.data
   result BYTE ?
. code
main PROC
   COUNT = 5
    LIMIT EQU 10
    mov ax , COUNT
    add ax , LIMITS
   inc ax
    mov result , ax
   exit
main ENDP
END main
```

```
INCLUDE Irvine32.inc
.data
   valA SBYTE -15
   valB BYTE 25
   valC WORD ?
. code
main PROC
    movsx eax , valA
    movsx ebx , valB
    add eax , ebx
  sub eax , 5
mov valC , eax
   exit
main ENDP
END main
```

```
INCLUDE Irvine32.inc
.data
   x db 12h
   y db 14h
    z db 5h
    w db 10h
    finalresult dw ?
. code
main PROC
    mov edx ,0
    add dl , x
    add dl , y
    sub dl , z
    sub dl , w
    mov finalresult , dl
    exit
main ENDP
END main
```

```
INCLUDE Irvine32.inc
.data
  num1 dw 1234h
   num2 dw 5678h
. code
main PROC
    mov ax , num1
    mov bx , num2
   xchg ax ,bx
    mov num1 , ax
    mov num2 , bx
   exit
main ENDP
END main
```