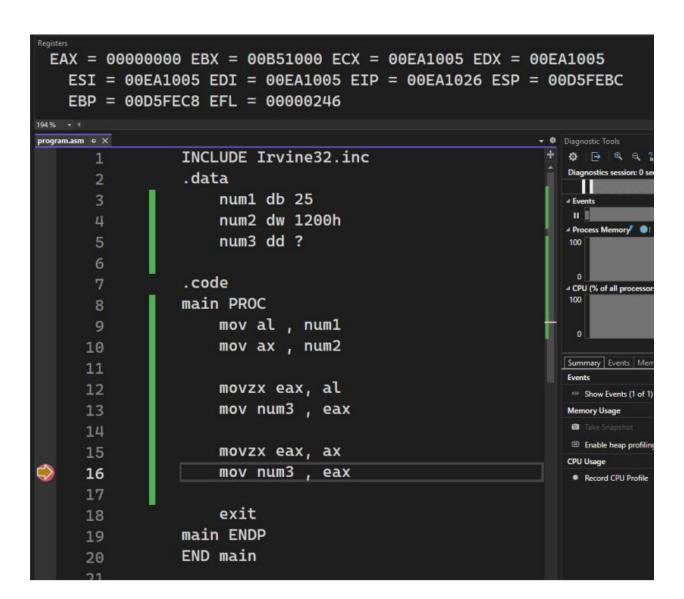
Azan Naveed

Coal lab 4



```
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
```