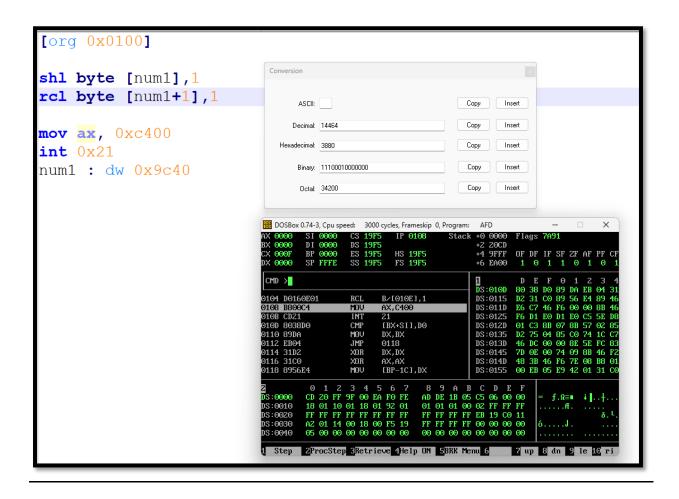
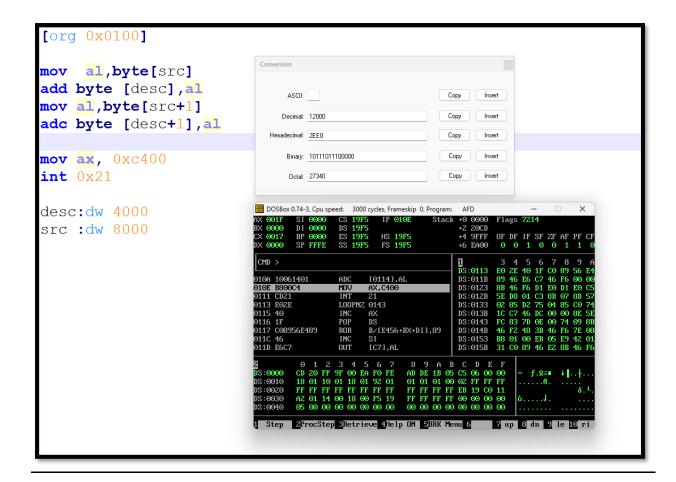
# LAB-8

### **TASK 1:**



#### **TASK 2:**

Junaid Saeed 22p-9200 BCS-3A



## **TASK 3:**

Junaid Saeed 22p-9200 BCS-3A

```
[org 0x0100]
jmp start
multiplicand: db 100
multiplier: db 50
result: dw 0

        DOSBox 0.74-3, Cpu speed:
        3000 cycles, Frameskip 0, Program:
        AFD

        AX 0000
        SI 0000
        CS 19F5
        IP 0100
        Stack +0 00

        BX 0000
        DI 0000
        DS 19F5
        +2 20

start:
mov cl, 8
                                                                                 CMD >
mov dl, [multiplier]
                                                                                  Program terminated OK
100 E90400 JPP
103 64 DB
104 3200 XDR
106 00B108BA ADD
                                                                                                                  64
AL,[BX+SI]
[8A08+BX+DI],DH
checkbit:
shr dl, 1
                                                                                     16
0401
DOEA
7307
                                                                                                                  SS
AL,01
DL,1
0118
                                                                                                                                             DS:0120
DS:0130
DS:0138
DS:0140
DS:0148
jnc skip
                                                                                                                             8 9 A B C D E F
AD DE 1B 05 C5 06 00 00
01 01 01 00 02 FF FF FF
FF FF FF EB 19 E4 11
FF FF FF FF 00 00 00 00
00 00 00 00 00 00 00
mov ax, [multiplicand]
add ax, [result]
skip:
                                                                                Step 2ProcStep 3Retrieve 4Help ON 5BRK Menu 6
shl word [result], 1
dec cl
jnz checkbit
mov ax, [result]
mov ah, 0
mov ax, 0x4c00
int 0x21
```

#### **TASK 4:**

Junaid Saeed 22p-9200 BCS-3A

