Reg No: 18BCE0559

**Name:** Sreenitya Mandava

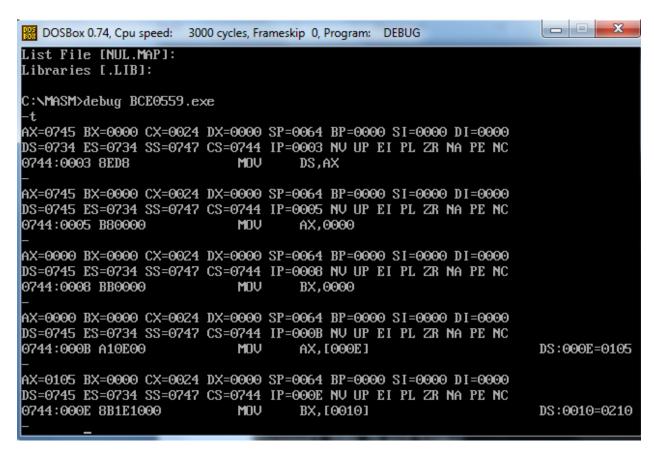
Slot: L29+L30

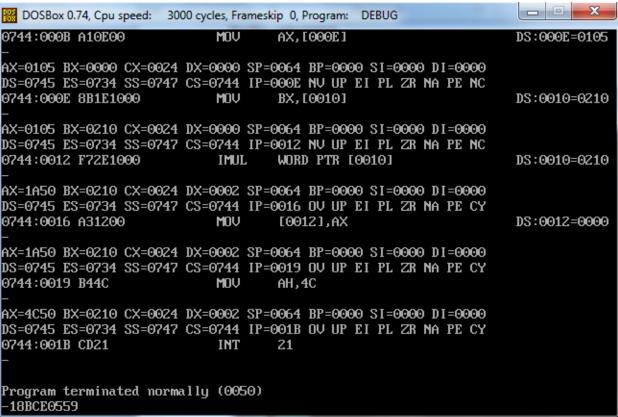
# **ASSESSMENT-1**

# Multiplication

```
×
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program:
  File Edit Search View Options
                             C:\MASM\BCE0559.ASM
 _model small
 .stack 64h
 .data
 a dw 0105H
 b dw 0210H
 c dw?
 .code
START:
MOV AX,@data
MOV DS,AX
MDV AX,0000H
MOV BX,0000H
MOV AX,A
MOV BX,B
 IMUL B
MOU C,AX
MOV ah,4ch
 int 21h
 end start
 .end
F1=Help
                                                        Line:1
                                                                   Col:1
```

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
C:\>cd masm
C:\MASM>masm_BCE0559.asm
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981–1985, 1987. All rights reserved.
Object filename [BCE0559.OBJ]:
Source listing [NUL.LST]:
Cross-reference [NUL.CRF]:
  51698 + 464846 Bytes symbol space free
       0 Warning Errors
       O Severe Errors
C:\MASM>link.exe BCE0559.obj
Microsoft 8086 Object Linker
Version 3.02 (C) Čopyright Microsoft Corp 1983, 1984, 1985
Run File [BCE0559.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:
C:\MASM>
```

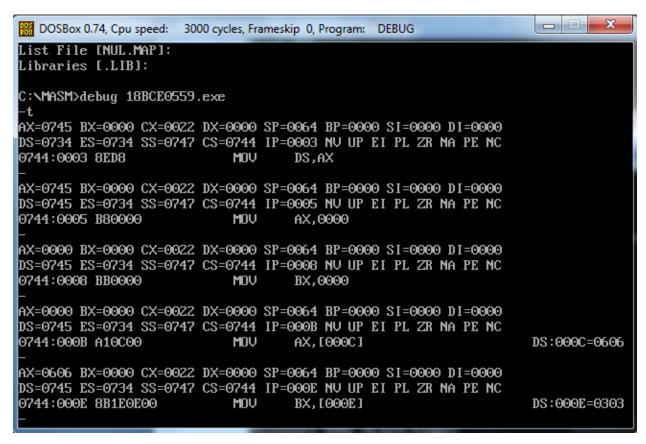


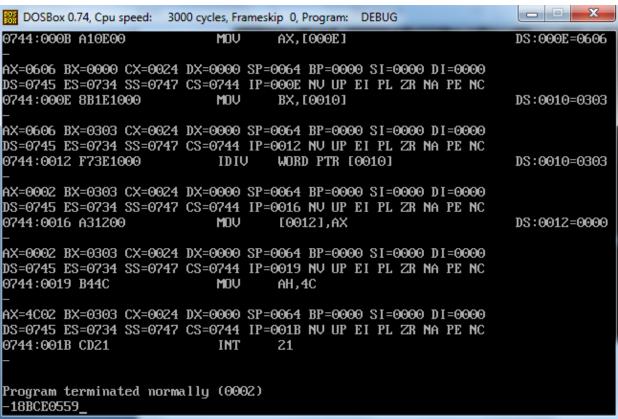


# Division

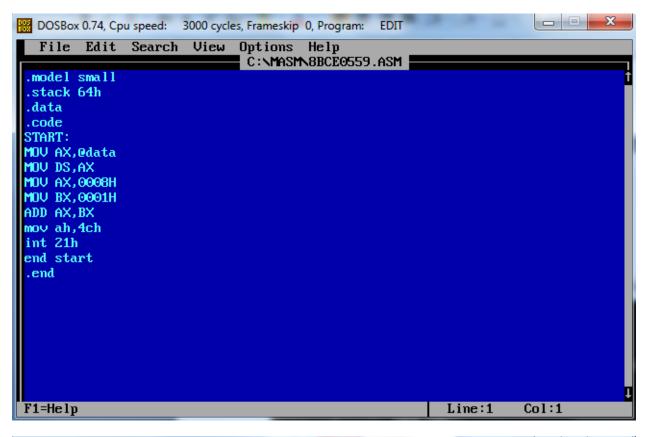
```
- - X
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program:
                                                EDIT
File Edit Search View Options Help
                             C:\MASM\18BCE055.ASM
 .model small
 .stack 64h
 .data
 a dw 0606h
 b dw 0303h
 c dw ?
 .code
 START:
MOV AX,@data
MOV DS,AX
MOU AX,0000H
MOU BX,0000H
MOV AX,A
 MOV BX,B
 idiv B
MOU C,AX
 mov ah,4ch
 int 21h
 end start
 .end
Commands for manipulating files
```

```
_ B X
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
C:\MASM>edit 18BCE0559.asm
C:\MASM>masm 18BCE0559.asm
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981–1985, 1987. All rights reserved.
Object filename [18BCE0559.OBJ]:
Source listing [NUL.LST]:
Cross-reference [NUL.CRF]:
  51688 + 464856 Bytes symbol space free
      0 Warning Errors
      0 Severe Errors
C:\MASM>link.exe 18BCE0559.obj
Microsoft 8086 Object Linker
Version 3.02 (C) Copyright Microsoft Corp 1983, 1984, 1985
Run File [18BCE0559.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:
C:\MASM>
```

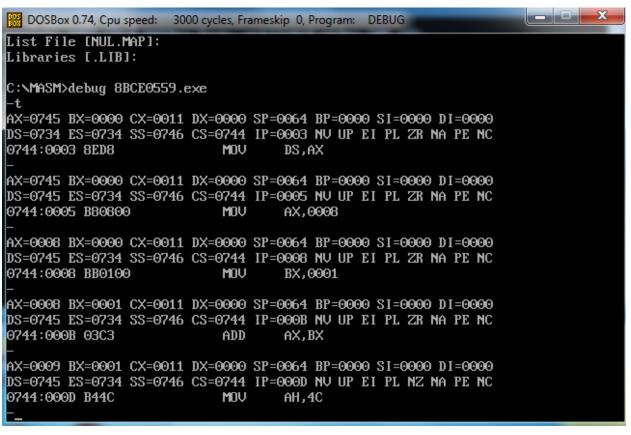


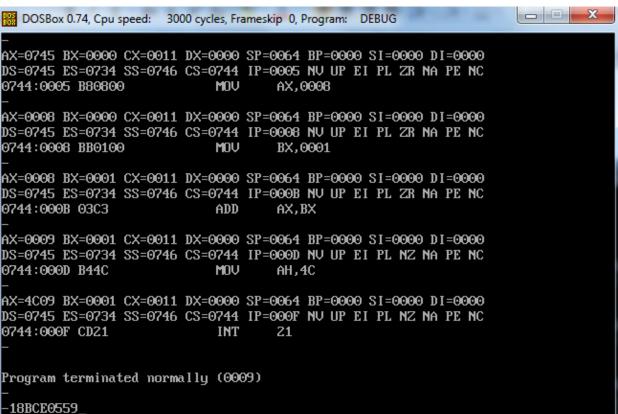


#### **Addition**



```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
C:\MASM>edit 8BCE0559.asm
C:\MASM>masm 8BCE0559.asm
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987. All rights reserved.
Object filename [8BCE0559.OBJ]:
Source listing [NUL.LST]:
Cross-reference [NUL.CRF]:
  51690 + 464854 Bytes symbol space free
      0 Warning Errors
      O Severe Errors
C:\MASM>link.exe 8BCE0559.obj
Microsoft 8086 Object Linker
Version 3.02 (C) Copyright Microsoft Corp 1983, 1984, 1985
Run File [8BCE0559.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:
C:\MASM>
```





# Subtraction

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program:
                                                 EDIT
  File Ddit Search View Options Help
                                C:\MASM\0559.ASM
 .model small
.stack 64H
.data
 .code
START:
MOV AX,@data
MOV DS,AX
MOV AX,000FH
MOV BX,0001H
SUB AX, BX
mov ah,4ch
 int 21h
end start
 .end
Commands for manipulating files
```

```
- - X
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
C:\MASM>edit 0559.asm
C:\MASM>masm 0559.asm
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981–1985, 1987. All rights reserved.
Object filename [0559.OBJ]:
Source listing [NUL.LST]:
Cross-reference [NUL.CRF]:
 51710 + 464834 Bytes symbol space free
      0 Warning Errors
      O Severe Errors
C:∖MASM>link.exe 0559.obj
Microsoft 8086 Object Linker
Version 3.02 (C) Copyright Microsoft Corp 1983, 1984, 1985
Run File [0559.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:
C:\MASM>
```

