LAB TASK # 2

1. **Program to input a character and print on screen.**

   CODE:

   OUTPUT:

2. Program to add two numbers.

Code:

```
;PROGRAM TO ADD TWO NUMBERS
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
.CODE
MAIN PROC
MOV AL,2
MOV BL,4
ADD AL,BL
ADD AL,48
MOV DL,AL
MOV AH,2
INT 21H
MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```

Output:

```
Drive C is mounted as local directory C:/MP\

Z:\>C:

C:\>EDIT F6.ASM

C:\>MASM F6.ASM;
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987.  All rights reserved.


    51720 + 464824 Bytes symbol space free

        0 Warning Errors
        0 Severe  Errors

C:\>LINK F6.OBJ;

Microsoft (R) Overlay Linker  Version 3.60
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C:\>F6.EXE
6
C:\>_
```
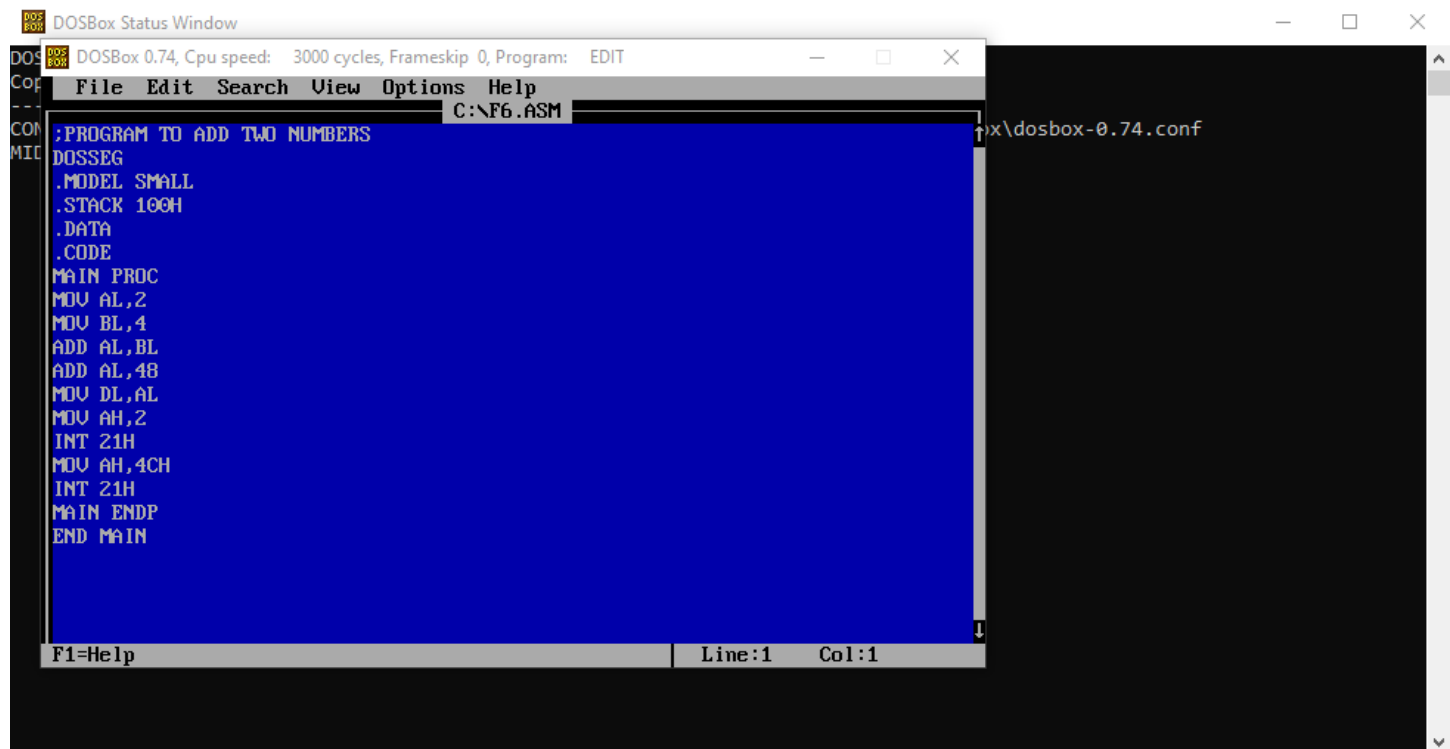
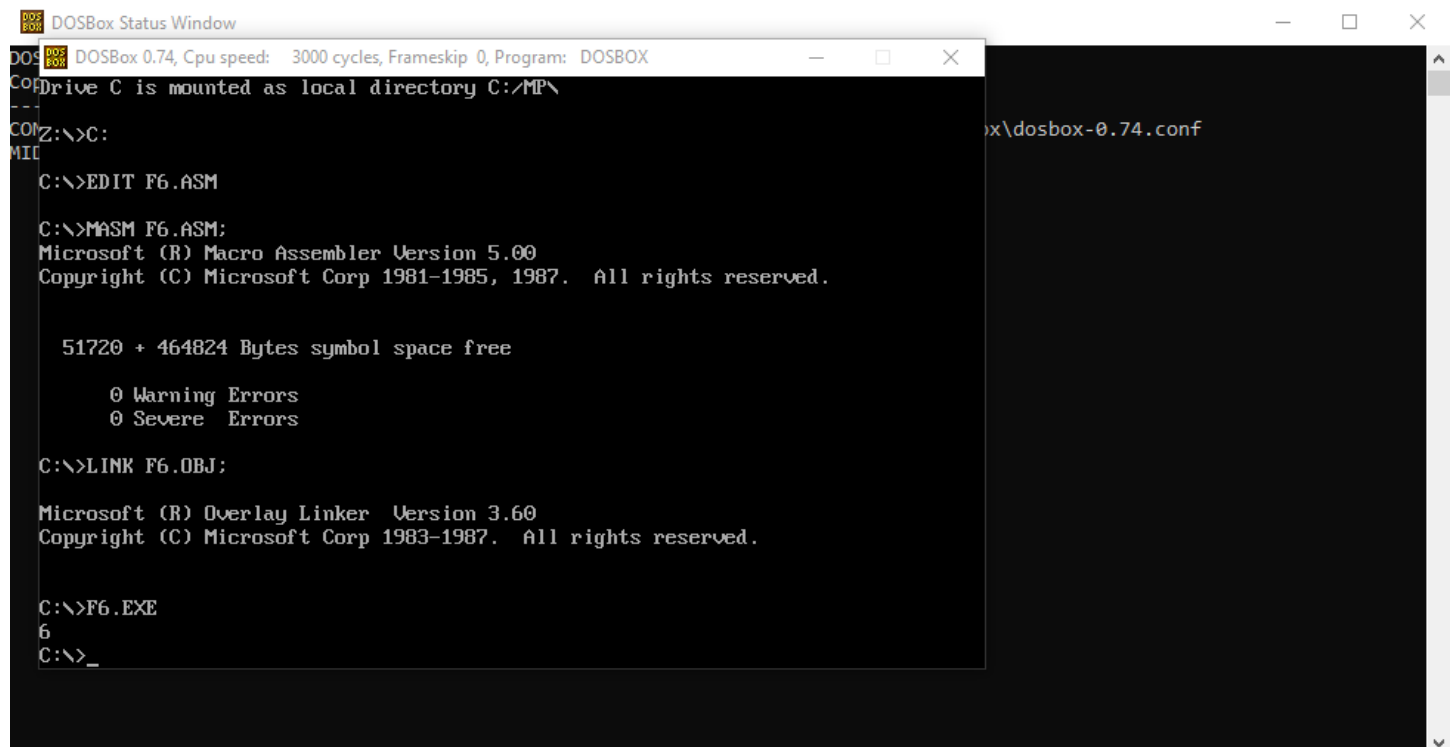## 3. Program to sub two numbers.

Code:
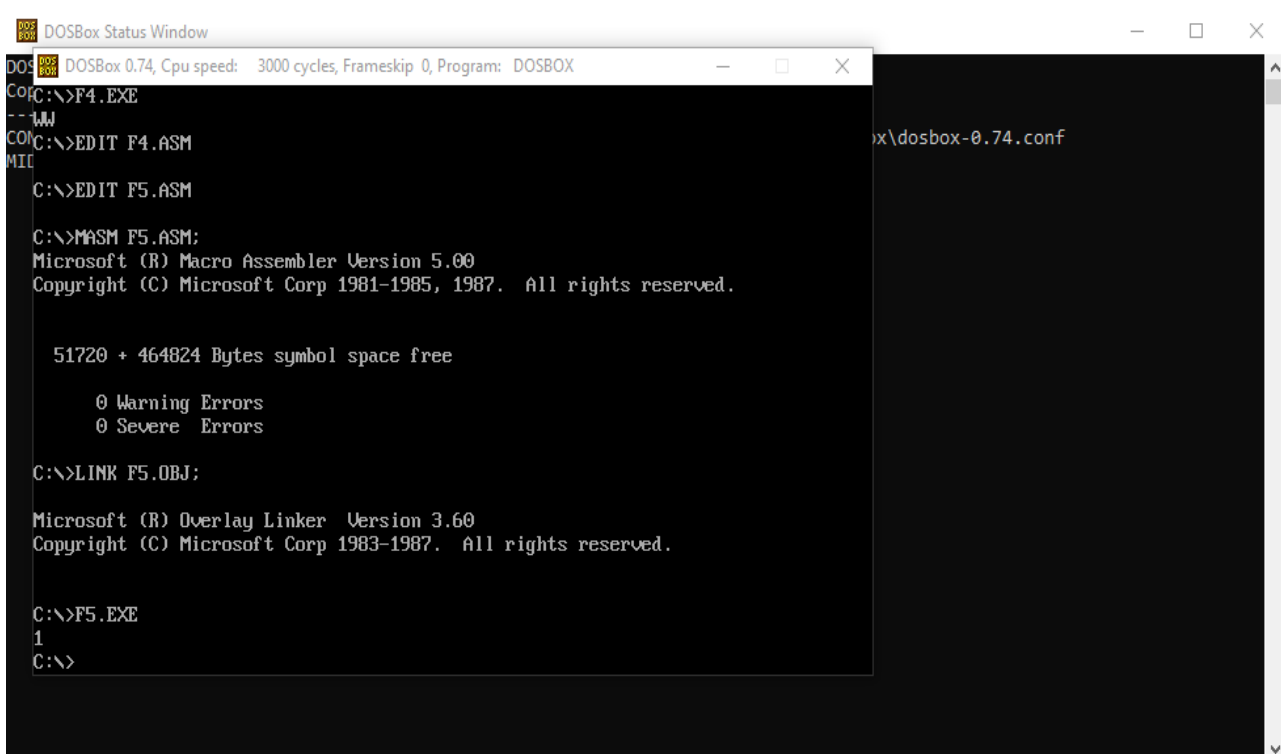
```
;PROGRAM TO SUB TWO NUMBER
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
.CODE
MAIN PROC
MOV AL,2
MOV BL,1
SUB AL,BL
ADD AL,48
MOV DL,AL
MOV AH,2
INT 21H
MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```

Output:

```
C:\>F4.EXE

C:\>EDIT F4.ASM

C:\>EDIT F5.ASM

C:\>MASM F5.ASM;
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  51720 + 464824 Bytes symbol space free

       0 Warning Errors
       0 Severe  Errors

C:\>LINK F5.OBJ;

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C:\>F5.EXE
1
C:\>
```
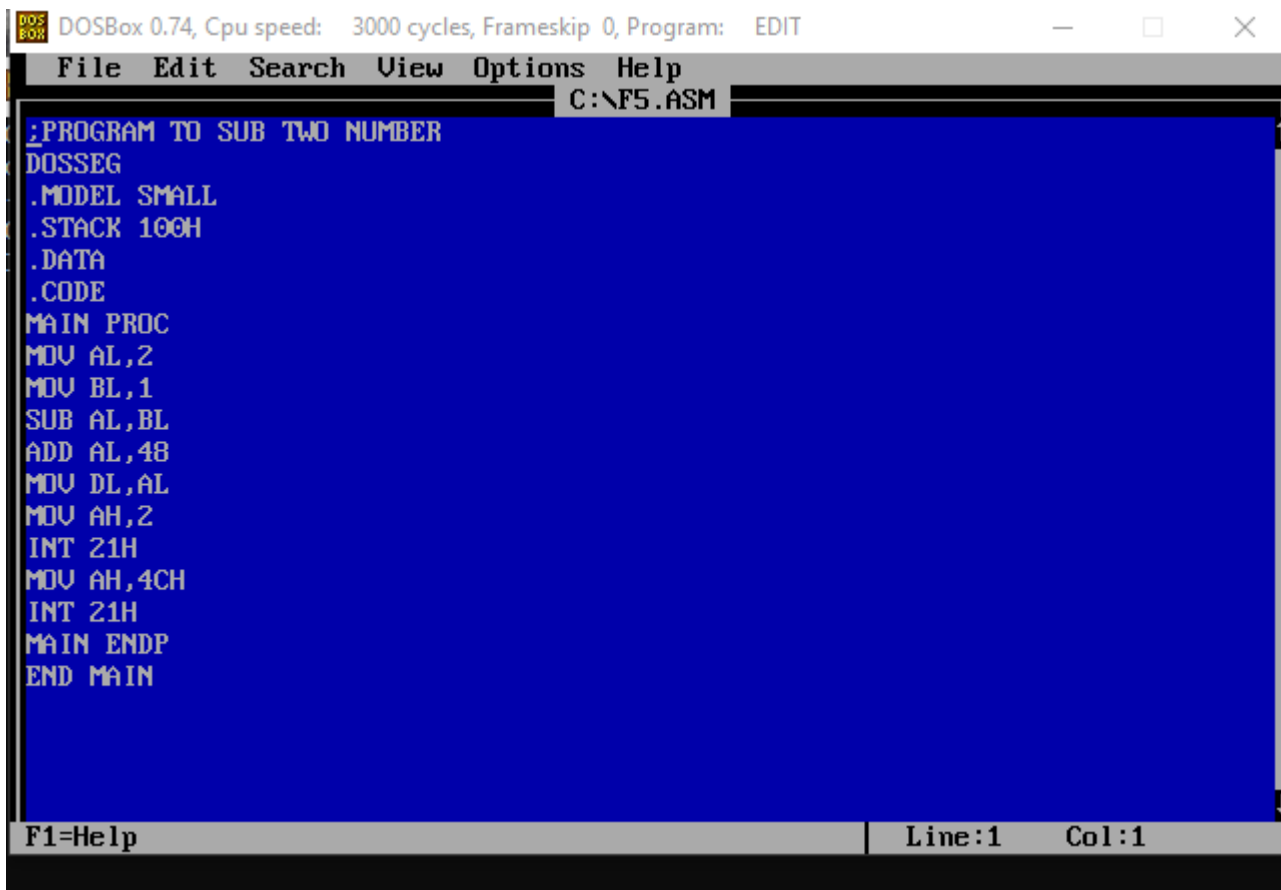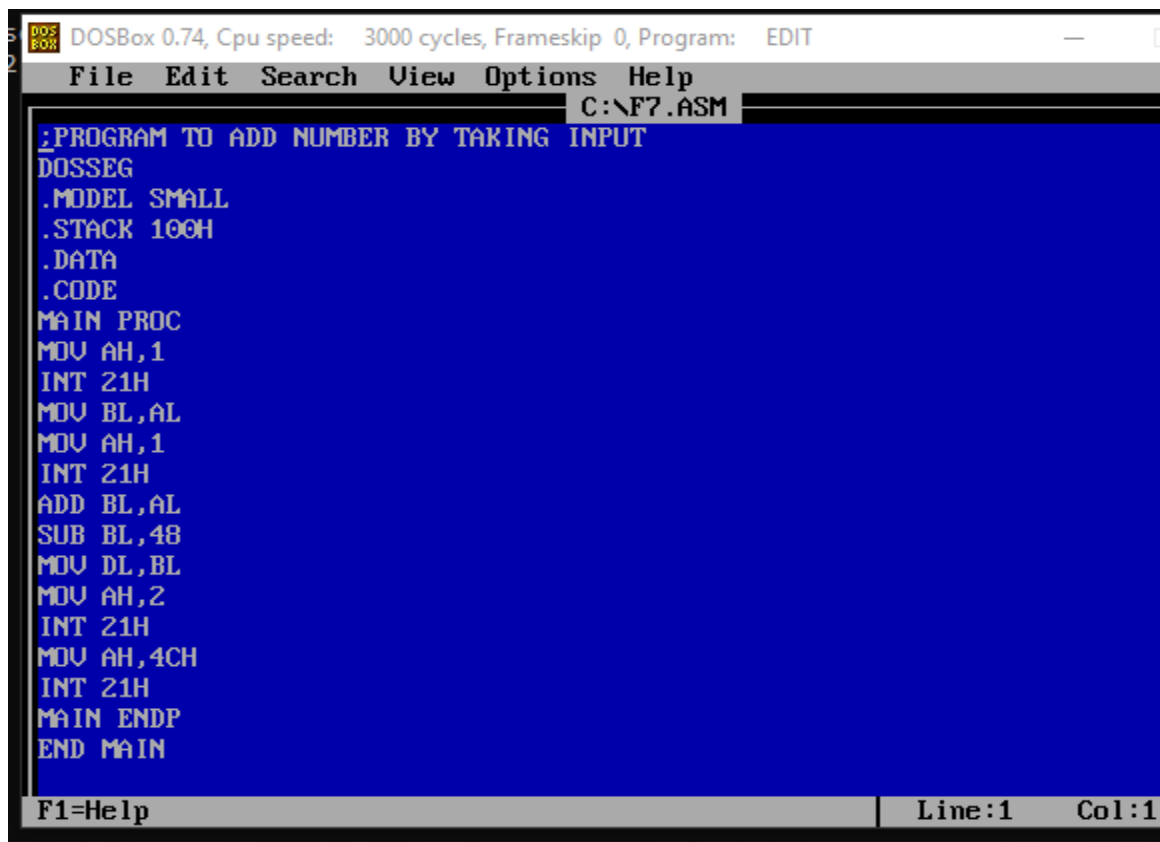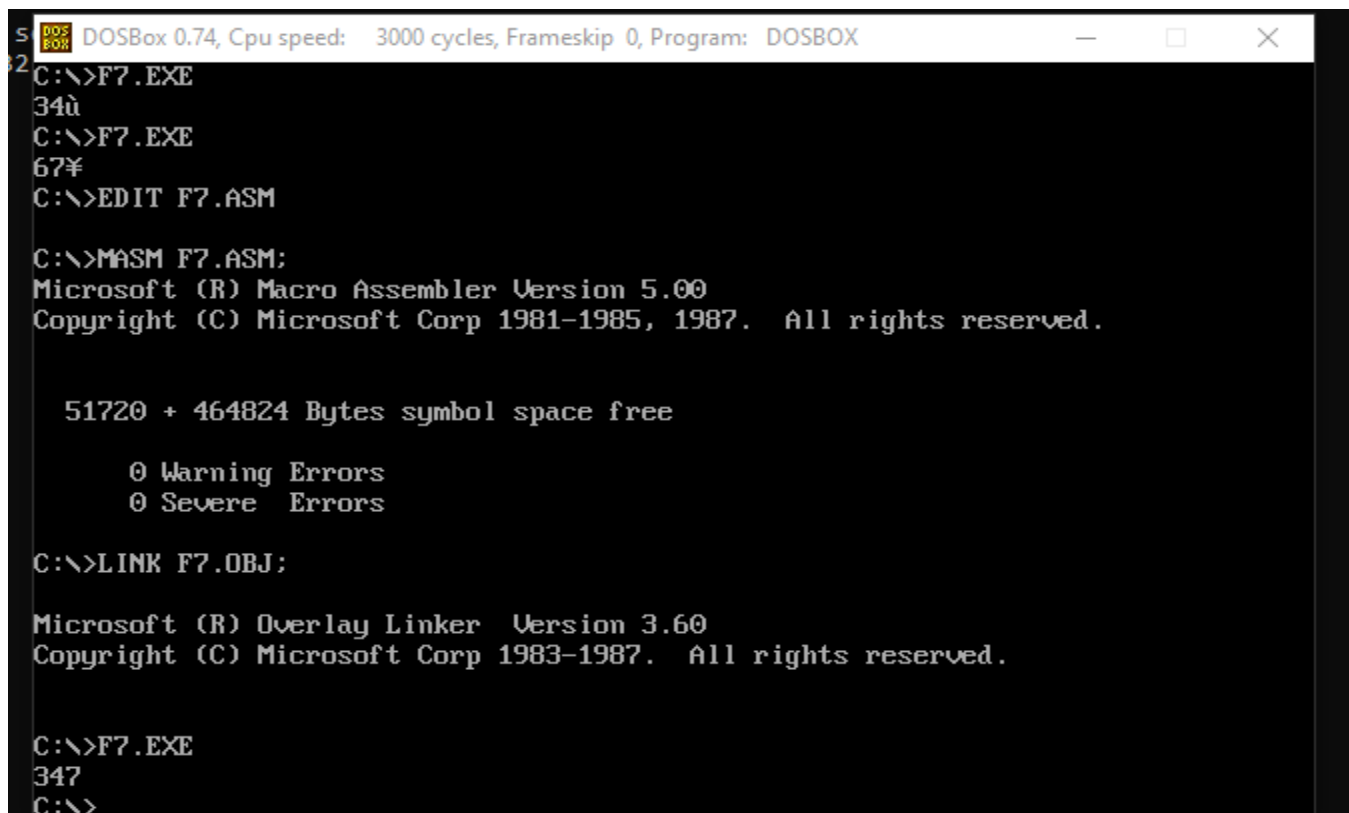
4. Input two numbers and add them.

Code:


```
;PROGRAM TO ADD NUMBER BY TAKING INPUT
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
.CODE
MAIN PROC
MOV AH,1
INT 21H
MOV BL,AL
MOV AH,1
INT 21H
ADD BL,AL
SUB BL,48
MOV DL,BL
MOV AH,2
INT 21H
MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```

Output:


```
C:\>F7.EXE
34ù
C:\>F7.EXE
67¥
C:\>EDIT F7.ASM

C:\>MASM F7.ASM;
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  51720 + 464824 Bytes symbol space free

        0 Warning Errors
        0 Severe  Errors

C:\>LINK F7.OBJ;

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C:\>F7.EXE
347
C:\>
```