

Q1. Program to ADD Two Numbers.

Code:

```
dosseg
.model small
.stack 100h
.data
.code
main proc
mov bl,1
mov dl,2
add dl,bl
add dl,48
mov ah,2
int 21h
mov ah,4ch
int 21h
main endp
end main
```

Output:

```
C:\>EDIT F4.ASM

C:\>MASM F4.ASM:
Microsoft (R) Macro Assembler Version 5.00
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51720 + 464824 Bytes symbol space free

0 Warning Errors
0 Severe Errors

C:\>LINK F4.OBJ;

Microsoft (R) Overlay Linker Version 3.60
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C:\>F4.EXE
3
C:\>
```

Q2. Program to SUB Two Numbers.

Code:

```
dosseg
.model small
.stack 100h
.data
.code
main proc
mov bl,4
mov dl,2
sub bl,dl
add dl,48
mov ah,2
int 21h
mov ah,4ch
int 21h
main endp
end main
```

Output:

```
C:\>EDIT F5.ASM

C:\>MASM F5.ASM;
Microsoft (R) Macro Assembler Version 5.00
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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
2
C:\>_
```