Q1: Program to Input Two Numbers and Print the Sum.

Code:

```
dosseg

.model small

.stack 100h

.data

.msg1 db 'Start$'

.msg2 db 'End$'

.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:\>MASM F7.ASM;
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987.  All rights reserved.


  51718 + 464826 Bytes symbol space free

      0 Warning Errors
      0 Severe  Errors

C:\>LINK F7.OBJ;

Microsoft (R) Overlay Linker  Version 3.60
Copyright (C) Microsoft Corp 1983-1987.  All rights reserved.


C:\>F7.EXE
459
C:\>
```

Q2. Program to Print Two Strings on Two Different Lines.

Code:

```
dosseg
.model small
.stack 100h
.data
.msg1 db 'ASALAM U ALIKUM$'
.msg2 db 'HAVE A NICE DAY$'
.code
MAIN PROC
mov ax,@data
mov ds,ax
mov dx,offset msg1
mov ah,9
int 21h
mov dx,10
mov ah,2
int 21h
mov dx,13
mov ah,2
int 21h
mov dx,offset msg2
mov ah,9
int 21h
mov ah,4ch
int 21h
main endp
end main
```

Output:

```
C:\>EDIT f2.ASM

C:\>MASM f2.ASM;
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  51680 + 464864 Bytes symbol space free

      0 Warning Errors
      0 Severe  Errors

C:\>LINK f2.OBJ;

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C:\>f2.EXE
ASALAM U ALIKUM
HAVE A NICE DAY
C:\>_
```