NAME: ZEHRA MOHAMMAD TAQI
SEAT NO: B21110006167

PROGRAM TO PRINT TWO STRINGS ON TWO DIFFERENT LINES:

```
DOSSEG
.MODEL SMALL
.STACK 100H

.DATA
MSG1 DB 'HELLO$'
MSG2 DB 'WORLD$'

.CODE
MAIN PROC
MOV AX,@DATA
MOV DS,AX

MOV DX,OFFSET MSG1     ;FIRST STRING
MOV AH,9
INT 21H

MOV DX,10              ;NEWLINE FEED
MOV AH,2
INT 21H

MOV DX,13              ;CARRIAGE RETURN
MOV AH,2
INT 21H

MOV DX,OFFSET MSG2     ;SECOND STRING
MOV AH,9
INT 21H

MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```
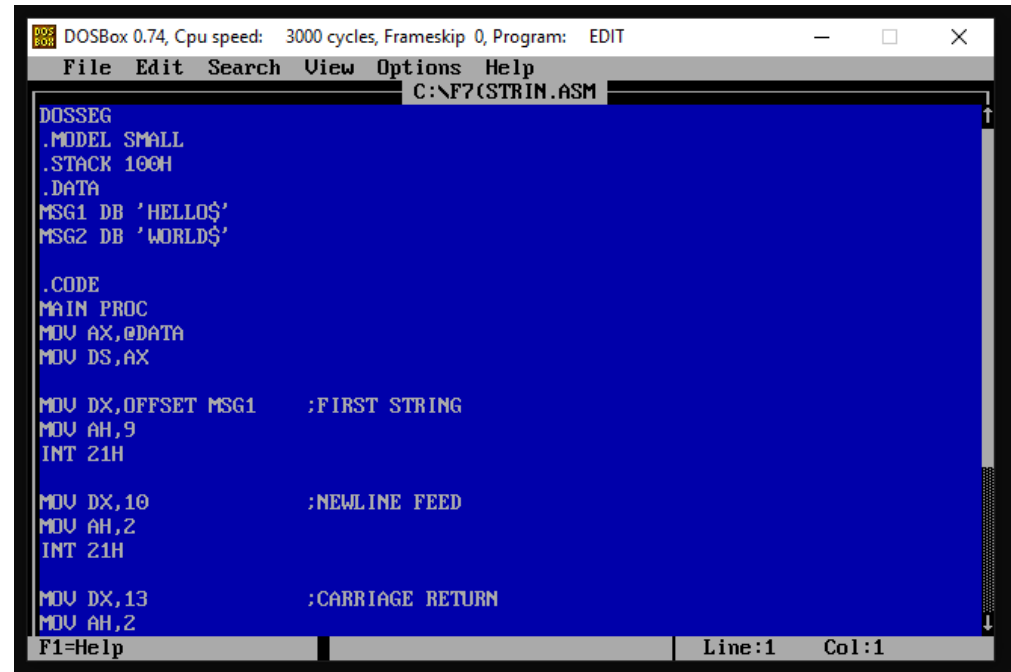
NAME: ZEHRA MOHAMMAD TAQI
SEAT NO: B21110006167

```
MOV DX,OFFSET MSG1     ;FIRST STRING
MOV AH,9
INT 21H

MOV DX,10              ;NEWLINE FEED
MOV AH,2
INT 21H

MOV DX,13              ;CARRIAGE RETURN
MOV AH,2
INT 21H

MOV DX,OFFSET MSG2     ;SECOND STRING
MOV AH,9
INT 21H

MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```



```
        0 Warning Errors
        2 Severe  Errors

C:\>EDIT F7(STRING).ASM

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


  51640 + 464904 Bytes symbol space free

        0 Warning Errors
        0 Severe  Errors

C:\>LINK F7(STRING).OBJ;

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


C:\>F7(STRING).EXE
HELLO
WORLD
```

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SEAT NO: B21110006167

DESIGN A CODE OF YOUR CHOICE TO FURTHER EXPLORE THIS TOPIC:

```
DOSSEG
.MODEL SMALL
.STACK 100H

.DATA
MSG DB 'ENTER A CHARACTER:$'
VAR DB ?

.CODE
MAIN PROC
MOV AX,@DATA
MOV DS,AX

MOV DX,OFFSET MSG            ;PRINT STRING
MOV AH,9
INT 21H

MOV AH,1                     ;INPUT CHARACTER
INT 21H
MOV BL,AL
MOV VAR,BL                   ;ASSIGNING VALUE TO VARIABLE

MOV DX,10                    ;NEWLINE FEED
MOV AH,2
INT 21H

MOV DX,13                    ;CARRIAGE RETURN
MOV AH,2
INT 21H

MOV DL,VAR
MOV AH,2                     ;PRINT CHARACTER
INT 21H

MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```

NAME: ZEHRA MOHAMMAD TAQI
SEAT NO: B21110006167

```
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
MSG DB 'ENTER A CHARACTER:$'
VAR DB ?

.CODE
MAIN PROC
MOV AX,@DATA
MOV DS,AX

MOV DX,OFFSET MSG          ;PRINT STRING
MOV AH,9
INT 21H

MOV AH,1                   ;INPUT CHARACTER
INT 21H
MOV BL,AL
MOV VAR,BL                 ;ASSIGNING VALUE TO VARIABLE

MOV DX,10                  ;NEWLINE FEED
```

```
MOV AH,1                   ;INPUT CHARACTER
INT 21H
MOV BL,AL
MOV VAR,BL                 ;ASSIGNING VALUE TO VARIABLE

MOV DX,10                  ;NEWLINE FEED
MOV AH,2
INT 21H

MOV DX,13                  ;CARRIAGE RETURN
MOV AH,2
INT 21H

MOV DL,VAR
MOV AH,2                   ;PRINT CHARACTER
INT 21H

MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```

```
C:\>

C:\>EDIT F8(PRACTISE).ASM

C:\>MASM F8(PRACTISE).ASM;
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987.  All rights reserved.


  51630 + 464914 Bytes symbol space free

      0 Warning Errors
      0 Severe  Errors

C:\>LINK F8(PRACTISE).OBJ;

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


C:\>F8(PRACTISE).EXE
ENTER A CHARACTER:K
K
```