

Date: 09/11/20

### • MODEL SMALL

```
DISP MACRO MSG  
    LEA DX, MSG  
    MOV AH, 09H  
    INT 21H  
ENDM
```

### • DATA

```
MSG1 DB 0DH, 0AH, "ENTER FILE NAME FOR CREATION:-$"  
MSG2 DB 0DH, 0AH, "FILE CREATED SUCCESSFULLY $"  
MSG4 DB 0DH, 0AH, "ENTER FILE NAME FOR DELETION:-$"  
MSG3 DB 0DH, 0AH, "CREATION FAILED $"  
MSG5 DB 0DH, 0AH, "FILE DELETED SUCCESSFULLY $"  
MSG6 DB 0DH, 0AH, "DELETION FAILED $"  
FNAME1 DB 10 DUP(0)  
FNAME2 DB 10 DUP(0)
```

### • CODE

```
MOV AX, @DATA  
MOV DS, AX  
DISP MSG1  
MOV SI, 00  
BACK1: MOV AH, 01H  
INT 21H  
CMP AL, 0DH  
JE NEXT1  
MOV FNAME1[SI], AL  
INC SI  
JMP BACK1
```

NEXT1: MOV FNAME1[SI], '\$'

LEA DX, FNAME1

MOV CX, 00

MOV AH, 3CH ; File creation interrupt

INT 21H

JC CFALL

DISP MSG2

JMP DEL

CFALL: DISP MSG3

DEL: DISP MSG4

MOV SI, 00

BACK2: MOV AH, 01H

INT 21H

CMPL AL, 0DH

JE NEXT2

MOV FNAME2[SI], AL

INC SI

JMP BACK2

NEXT2: MOV FNAME2[SI], '\$'

LEA DX, FNAME2

MOV AH, 41H

INT 21H

JC DFALL

DISP MSG5

JMP LAST

DFALL: DISP MSG6

LAST: MOV AH, 4CH

INT 21H

END



# LAB-6 Program

Date: 09/11/20

- \* Read the current time from the system and display it in standard format on the screen.

• MODEL SMALL

DISPLAY MACRO MSG

LEA DX, MSG

MOV AH, 09H

INT 21H

END M

• DATA

TIMESTR DB 02BH DUP(?)

MSG1 DB "CURRENT TIME: :.:"

• CODE

START: MOV AX, @DATA

MOV DS, AX

; CLEAR THE SCREEN

MOV AH, 00H

MOV AL, 03H

INT 10H

; SET A PARTICULAR LOCATION FOR DYNAMIC CLOCK

AG: MOV BH, 00H

MOV DH, 01H

MOV DL, 01H

MOV AH, 02H

INT 10H

MOV SI, OFFSET TIMESTR

MOV AH, 2CH

; INTERRUPT FOR GETTING

SYSTEM TIME

INT 21H

MOV AL, CH ; CH = HOUR, CL = MINUTES, DH = SECONDS

AAM ; 12 → 0001 01+30 0002 02+30

ADD AX, 3030H

MOV [SI], AH ; 31 TIMESTR[00] = 1

INC SI

MOV [SI], AL ; 32 TIMESTR[01] = 2

INC SI

MOV [SI], BYTE PTR ':' ; TIMESTR[02] = :

INC SI

MOV AL, CL

AAM

ADD AX, 3030H

MOV [SI], AH

INC SI

MOV [SI], AL

INC SI

MOV [SI], BYTE PTR ':'

INC SI

MOV AL, DH

AAM

ADD AX, 3030H

MOV [SI], AH

INC SI

MOV [SI], AL

INC SI

MOV [SI], BYTE PTR ':'

INC SI

MOV AL, DH

AAM

ADD AX, 3030H



MOV [SI], AH

INC SI

MOV [SI], BYTE PTR '\$'

INC SI

DISPLAY MSG1

DISPLAY TIMESTR ; DISPLAY THE TIME...

; CHECK FOR THE KEYBOARD STATUS....

; IF KEY IS PRESSED, TERMINATE THE PROGRAM..

MOV AH, 0BH

INT 21H

CMP AL, 00H

JE AG

FINAL: MOV AH, 4CH

INT 21H

END START