LAB-7 :- Read the current time from the system and display it in
        the standard format on the screen

• MODEL SMALL

DISPLAY MACRO MSG

        LEA DX, MSG

        MOV AH, 09H

        INT 21H

END M

• DATA

TIMESTR DB 020H 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, 04.

```asm
        MOV   AL, 01H
        MOV   AH, 02H
        INT   10H

        MOV   SI, OFFSET TIMESTR
        MOV   AH, 2CH
        INT   21H
        MOV   AL, CH
        AAM
        ADD   AX, 3030H
        MOV   [SI], AH
        INC   SI
        MOV   [SI], AL
        INC   SI
        MOV   [SI], BYTE PTR ':'
        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, OH
        AAM
        ADD   AX, 3030H
        MOV   [SI], AH
        INC   SI
```

```
MOV [SI], AL
INC SI
MOV [SI], BYTE PTR 'S'
DISPLAY MSG1
DISPLAY TIMESTR

    MOV AH, OBH
    INT 21H
    CMP AL, OOH
    JE A9

FINAL : MOV AH, 4CH
        INT 21H

END START.
```

X