```asm
. MODEL SMALL

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


.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 LOCATION
```

```asm
AG:         MOV   BH, 00H
            MOV   DH, 07H
            MOV   DL, 07H
            MOV   AH, 02H
            INT   10H

            MOV   SI, OFFSET  TIMESTR      ; LEA= SI, TIMESTR
            MOV   AH, 2CH                  ; INTERRUPT SYSTEM TIME
            INT   21H
            MOV   AL, CH                   ; CH=HOUR, CL=MIN, DH=SECOND.
                                           ; LH CONTAINSIC
            AAM   ; CONVERT  TO UNPACKE BACD FORMAT — AAMUSED
            ADD   AX, 3030H                ; AX=31 30 —→ AH+231H  AL=3 6 H
            MOV   [SI], AH                 ; TIMESTR[00]=37 → DISPLAY 1
            INC   SI                       ; TIMESTR[02]=30 →DISPLAY 6
            MOV   [SI], AL
            INC   SI
            MOV   [SI], BYTE PTR ;
            INC   SI

            MOV   AL, CL
            AAM
            ADD   AX, 3030H
            MOV   [SI], AH
            INC   SI
```

```asm
        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 '$'    ; TO INDICAT END OF TIME STR
        DISPLAY MSG1
        DISPLAY  TIMESTR   ; DISPLAY THE TIME
; CHECK   FOR   THE   KEYBOARD  STATUS & TERMINATE
                                                    PRGM
        MOV AH , 0BH
        INT 21H
        CMP AL, 00H
        JE  AG
FINAL & :   MOV  AH, 4CH
            INT 21H
END    START
```