1BN19CS167
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→ PROGRAM 7

. MODEL SMALL

DISPLAY @ MACRO MSG

      LEA DX, MSG

      MOV AH, 09H

      INT 21H

ENDM

. DATA

TIMESTR DB 0204 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 = MIN   DH = SEC

AAM

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```
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, DH
AAM
ADD  AX, 3030H
MOV  [SI], AH
INC  SI
MOV  [SI], AL
INC  SI
MOV  [SI], BYTE PTR '$'
DISPLAY MSG1
DISPLAY TIEMSTR


MOV  AH, OBH              FINAL :  MOV  AH, 4CH
  INT 21H                          INT 21H
  CMP AL, 00H              END  START
    JE  AG
```