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18M19CS135

## STANDARD TIME DISPLAY

• MODEL SMALL

DISPLAY MACRO MSG

LEA BX, 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

MOV AH, 00H

MOV AL, 03H

INT 10H

AG: MOV BH, 00H

MOV DH, 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

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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 TIMESTR

MOV AH, DBH

INT 21H

MOV AL, DH

AAM

ADD AX, 3030H

MOV [SI], AH

INC SI

MOV [SI], AL

INC SI

MOV [SI], BYTE PTR '\$'

DISPLAY MSG1

DISPLAY TIMESTR

MOV AH, DBH

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INT 21H

CMP AL, 00H

JE AL

~~END~~

FINAL: MOV AH, 4CH

INT 21H

END START

```
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C:\MASM\PROG11.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

        MOV AH,00H
        MOV AL,03H
        INT 10H

AG:     MOV BH,00H
        MOV DH,01H
```



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C:\MASM\PROG11.ASM

```
AG:  MOV BH,00H
      MOV DH,01H
      MOV DL,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
```

F1=Help

Line:42 Col:1

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C:\MASM\PROG11.ASM

```
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 TIMESTR

MOV AH,0BH
INT 21H
```

F1=Help

Line:63 Col:1

```
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C:\MASM\PROG11.ASM

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

DISPLAY MSG1
DISPLAY TIMESTR

MOV AH,0BH
INT 21H
CMP AL,00H
JE AG

FINAL: MOV AH,4CH
        INT 21H

END START

F1=Help | Line:71 Col:1
```