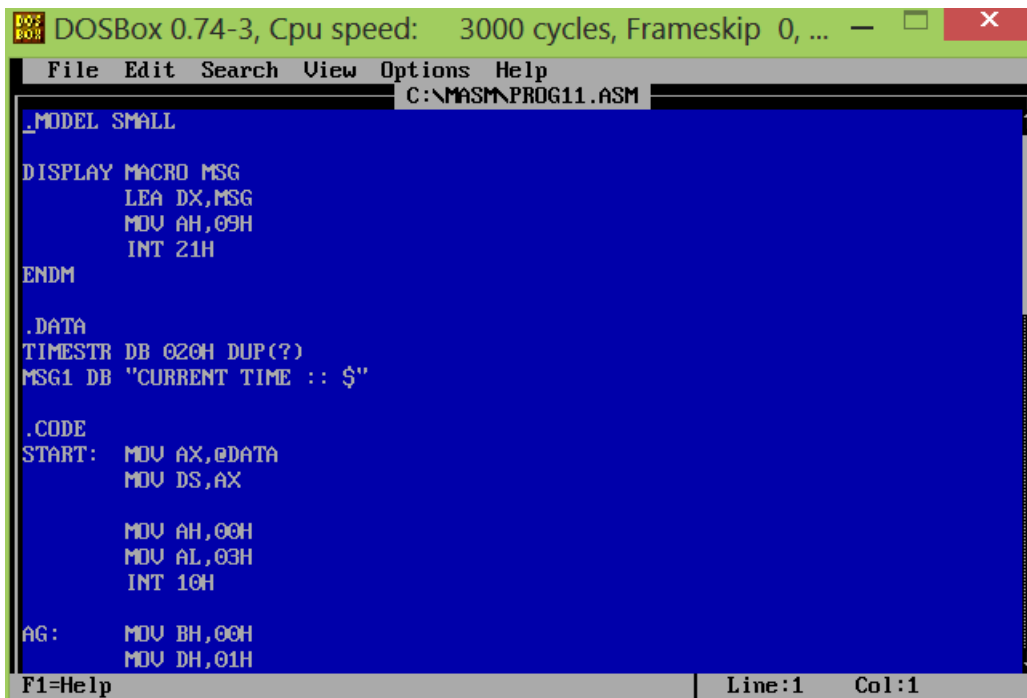


Program to read the current time from the system and display it in the standard format on the screen:



The screenshot shows the DOSBox 0.74-3 window with the CPU speed set to 3000 cycles and Frameskip set to 0. The file being edited is C:\MASM\PROG11.ASM. The code is as follows:

```
.MODEL SMALL

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

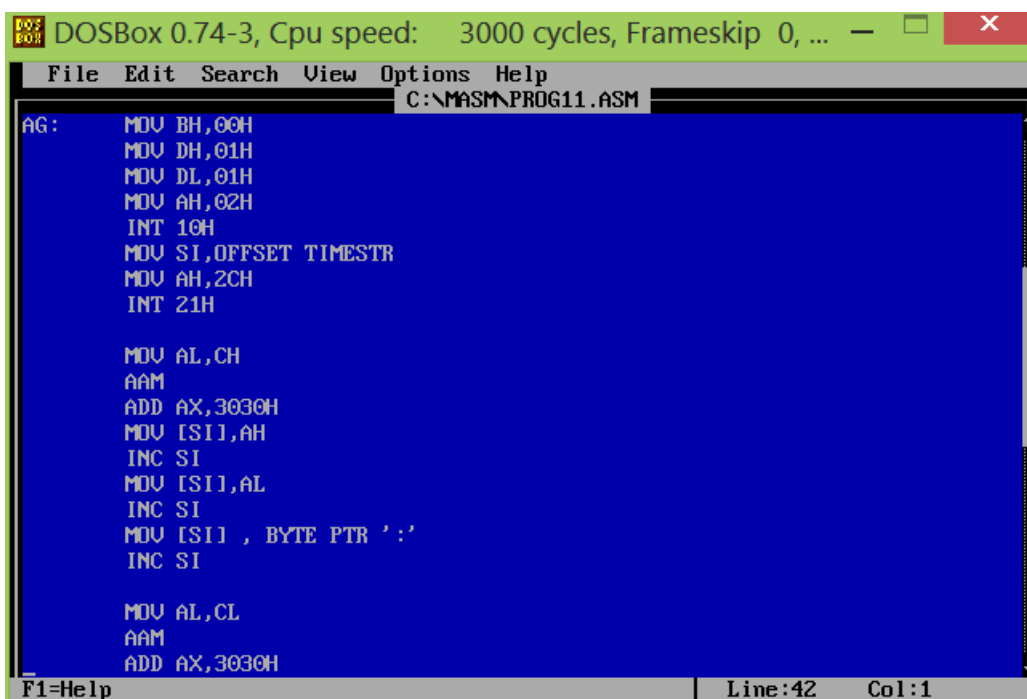
.DATA
TIMESTR DB 020H DUP(?)
MSG1 DB "CURRENT TIME :: $"

.CODE
START:  MOV AX,@DATA
        MOV DS,AX

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

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

The status bar at the bottom indicates "F1=Help" and "Line:1 Col:1".



The screenshot shows the continuation of the assembly code in the DOSBox 0.74-3 window. The code is as follows:

```
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
```

The status bar at the bottom indicates "F1=Help" and "Line:42 Col:1".

DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, ...

File Edit Search View Options Help

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

DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, ...

File Edit Search View Options Help

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

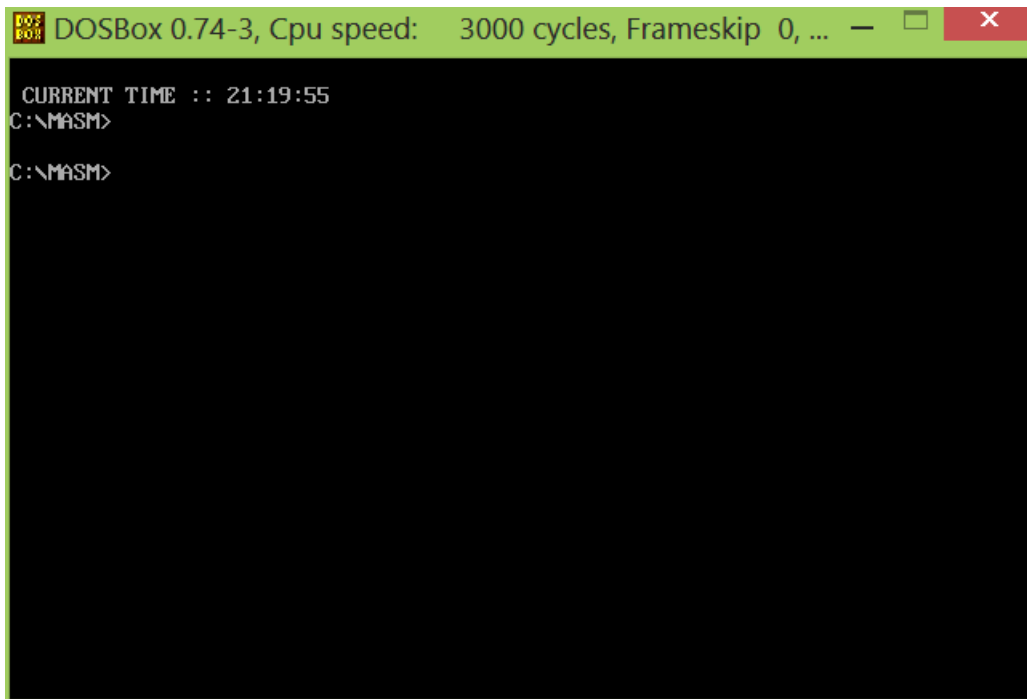
MOV AH,0BH
INT 21H
CMP AL,00H
JE AG

FINAL: MOV AH,4CH
INT 21H

END START
```

F1=Help | Line:71 Col:1

OUTPUT:



```
DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, ...  
CURRENT TIME :: 21:19:55  
C:\MASM>  
C:\MASM>
```