

LAB 7

Kartik Deepak
IBM19CS200

; Program :: Read the current time from the system
and display it in the standard format

.model small

Display macro msg
 lea dx, msg
 mov ah, 09H
 int 21H

END

.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 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 's'

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 TIMESTR

MOV AH, 0BH

INT 21H

CMP AL, 0DH

JE AG

FINAL : MOV AH, 4CH

INT 21H

END START