

LAB6) Read the Current time from the System and display in std format

• Model Small

(Prorg11.asm)

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 ; Clear Screen

MOV AH, 00H

MOV AL, 03H

INT 10H

; Set A particular 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

INT 21H

; // for getting
Syst tim

CH = Hour

CL = minute

DH = Seconds

MOV AL, CH

AAM

AAD AX, 3030H

MOV [SI], AH

INC SI

MOV [SI], AL

INC SI

MOV [SI], BYTE PTR ':'

INC SI

; 12 → 01+30
02+30

; 31 Times to [00]
= 1

; 32 Times to [01]
= 2

MOV AL, DH

AAM

ADD AX, 3030H

MOV [SI], AH

INC SI

MOV [SI], AL

INC SI

MOV [SI], BYTE PTR '\$'

→ MOV AL, CL

AAM

ADD AX, 3030H

MOV [SI], AH

INC SI

MOV [SI], AL

INC SI

MOV [SI],
BYTE PTR

':'

DISPLAY MSG1

DISPLAY TIMESTR

; Check for the Keyboard Status....

; if Key is pressed, Terminate the program.

MOV AH, 0BH

INT 21H

CMP AL, 00H

JE AG

FINAL : MOV AH, 4CH

INT 21H

END Start.