

TIME DISPLAY

• MODEL SMALL

VINEETH R. RAO

DISPLAY MACRO MSG

IBM19C5183

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

; CLEAR 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 ; TO DISPLAY CURSOR

INT ~~21H~~ 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

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

~~MOV~~ INC SI

MOV [SI], AL

INC SI

MOV [SI], BYTE PTR '\$'

DISPLAY MSG1

DISPLAY TIMESTR

= MOV AH, 0BH

; if key is pressed, terminate

INT 21H

CMP AL, 00H

JE AG

FINAL: MOV AH, 4CH

INT 21H

END START.