

6. Lab program

:MODEL SMALL

DISP MACRO MSG

LEA DX, MSG

MOV AH, 09H

INT 21H

ENDM

.DATA

TIME DB 020H DUP(?)

MSG1 DB 'CURRENT TIME:: \$'

.CODE

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

LEA SI, TIME

MOV AH, 2CH

INT 21H

MOV AL, CH

MOV AL, CH

AAM

~~MOV~~ ADD AX, 3030H

MOV [SI], AH

INC SI

MOV [SI], AL

INC SI

; INTERRUPT to get time

; CH=HOUR, CL=MIN, DH=SE

MOV [SI], BYTE PTR ':'

INC SI

MOV AL, CL

AAM

ADD AX, 3030H

MOV [SI], AH

~~MOV~~ 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 '\$'

DISP MSG1

MOV AH, 0BH

DISP TIME

INT 21

CMP AL, 00H

JE AG

FINAL : MOV AH, 4CH

INT 21H

END