

NAME: S Skanda

Date: 9/11/2020

USN: 18M19CS137

Batch: 2

File creation and deletion

.MODEL SMALL

DISP MACRO MSG

LEA DX, MSG

MOV AH, 09H

INT 21H

ENDM

.DATA

MSG1 DB 0DH, 0AH, "Enter the file name for creation"

MSG2 DB 0DH, 0AH, "File created successfully"

MSG3 DB 0DH, 0AH, "Creation failed"

MSG4 DB 0DH, 0AH, "Enter file name for deletion"

MSG5 DB 0DH, 0AH, "File deleted successfully"

MSG6 DB 0DH, 0AH, "Deletion failed"

FNAME1 DB 10 DUP(0)

FNAME2 DB 10 DUP(0)

.CODE

MOV AX, @DATA

MOV DS, AX

DISP MSG1

MOV SI, 00

BACK1: MOV AH, 01H

INT 21H

CMP AL, 0DH

JE NEXT1

MOV FNAME[SI], AL

INC SI

JMP BACK1

NEXT1: MOV FNAME[SI], '\$'

LEA DX, FNAME1

MOV CX, 00

MOV AH, 3CH ; File creation interrupt

INT 21H

; creation failed => carry flag = 1

JC CFAIL

DISP MSG2

JMP DEL

CFAIL: DISP MSG3

DEL: DISP MSG4

MOV SI, 00

BACK2: MOV AH, 01H

INT 21H

CMP AL, 0DH

JC NEXT2

MOV FNAME2[SI], AL

INC SI

JMP BACK2

NEXT2: MOV FNAME2[SI], '\$'

LEA DX, FNAME2

MOV AH, 41H ; File deletion interrupt

INT 21H

TC DFAIL
DISP MSGS
JMP LAST

DFAIL = DISP MSGS

LAST: MOV AH, 4CH

INT 21H

END

Name: S Standa
Usn: 1BMIAQCS137

Date: 09/11/20
Batch: 2

To read current time from system and print it on standard form on the screen

• 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

; CLEAR SCREEN

MOV AH, 00H

MOV AL, 03H

INT 10H

; set a particular location for clock

AG: MOV BH, 00H

MOV DH, 01H

MOV DL, 01H

MOV AH, 02H

INT 10H

MOV SI, OFFSET TIMESTR

MOV AH, 2CH ; Interrupt for getting system time

INT 21H

MOV AL, CH ; CH=HOUR, CL=MINUTES, DH=SECONDS

AAM ; To get unpacked BCD format

ADD AX, 3030H

MOV [SI], AH

INC SI

MOV [SI], ~~BYTE PTR~~ 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 's'

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

; CHECK FOR keyboard status

; if k is pressed, terminate the program

MOV AH, 0BH

INT 21H

CMP AL, 00H

JE AG

FINAL; MOV AH, 4CH

INT 21H

END START