Lab 6

P1: Write a program to create a file and write text data into it using DOS interrupts

```
CODE

START:

MOV AX, Q DATA

MOV DS, AX

MOV ES, AX

PRINT MSGI

READ PNAME

15A SI FNAME+2
PI . MODEL SMALL
          PRINT MACRO MSG ATAG WA USM
MOU AH, 09H KA 20 USM
LEA DX, MSG KA 28 USM
INT 21 H INZM THIAT
ENDM AMANA AASA
            STACK 20
                                                                                                                                                                                                                                   MOV AX, & BATH

MOV DS, AX

MOV ES, AX

PRINT MSGI

READ FNAME

LEA SI, FNAME+2

MOV CL, FNAME+1

MOV CH, OO

ADD SI, CX

MOV BYTE PTR [SI] OO

LEA DX, FNAME+2

MOV CX, OOOH

MOV CX, O
          READ MACRO STR
LEA DX, STR
MOV AH, OAH
INT 21H
ENDM
ON BYTE FTR [ST]
         MSG1 DB ODH, OAH, 'Enter a filename of'
MSG2 DB ODH, OAH, 'File is cleated of'
MSG3 DB ODH, OAH, 'Error in File cleation of'
MSG4 DB ODH, OAH, 'Error in File cleation of'
MSG5 DB ODH, OAH, 'Error in File opening of'
MSG6 DB ODH, OAH, 'Error in writing of'
MSG6 DB ODH, OAH, 'Error in writing of'
MSG6 DB ODH, OAH, 'Error in writing of'
                                                                                                                                                                                                                                             PRINT MSG2
PRINT MSG2
PRINT MSG4
READ TEXT
MOV AM, 3DH
MOV AL, 02H
LEA DX, FNAME+2
INT 21H
JNC SUCC2
PRINT MSG5
             MSG7 DB ODH, OAH, Greating & writing succenful $"
                                                                                                                                                                                                                                       SUCCI:
              FNAME D8 80

D8 ?

D8 80 DUP (0)

TEXT D8 80

D8 ?

TEXT D8 80

D8 ?

TEXT D8 80

D8 ?
                                                 DB 80 DUP (?)
                                                                                                                                                  TIXE 9M7 1
                                                                                                                                                                                                                                                                           JMP EXIT
                                                                                                                                                                                                                                                          C:\TASM>lab6_1.exe
          SUCC2:
         MOV BX, AX

MOV AH, 40H

MOV CH, 00H 28 AMIT TABLEATP AC AM

MOV CH, TEXT+1

LEA DX, TEXT+2

INT 21H

JNC SUCC3

PRINT MSG6

MOV AH, 3EH

INT 21H

TMP EXIT

SUCCS:
PRINT MSG2

A NA VOM

HOL TVII

TMP EXIT

SUCCS:
PRINT MSG3

A NA VOM

HOL TVII

SUCCS:
PRINT MSG4

A NA VOM

HOL TVII

SUCCS:
PRINT MSG4

A NA VOM

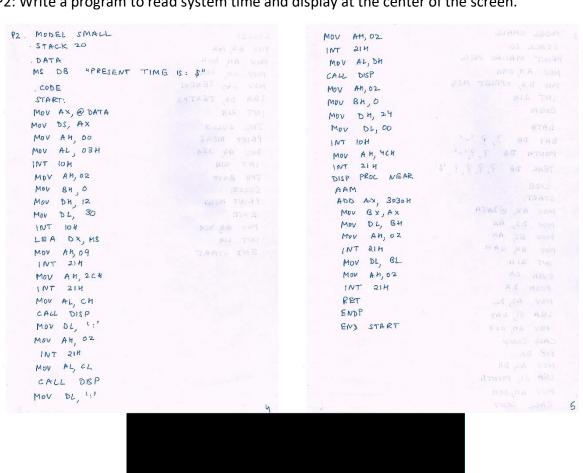
HOL TVII

SUCCS:
PRINT MSG4
          MOV BX, AX
                                                                                                                                                                                                                                                           Enter a filename:2019A7PS0020U
                                                                                                                                                                                                                                                           File is created:
                                                                                                                                                                                                                                                           Enter a text:My name is Dhruv
                                                                                                                                                                                                                                                           Creating and writing successful
            PRINT MSG2
EXIT:

Mov Ad, 4CH
INT 214
END START
```

File 2019A7PS0020U is created and "My name is Dhruv" written into file.

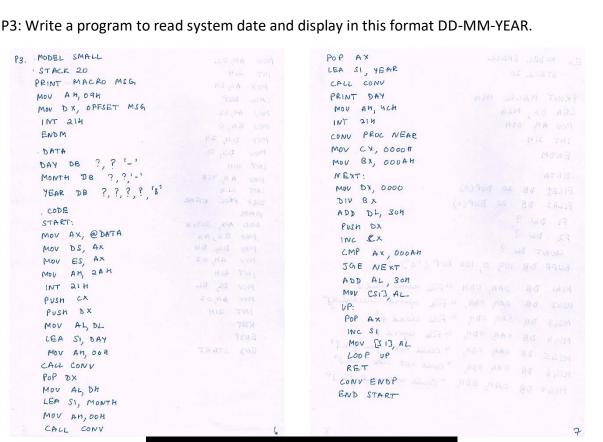
P2: Write a program to read system time and display at the center of the screen.



PRESENT TIME IS: 03:32:54

Displays time

P3: Write a program to read system date and display in this format DD-MM-YEAR.

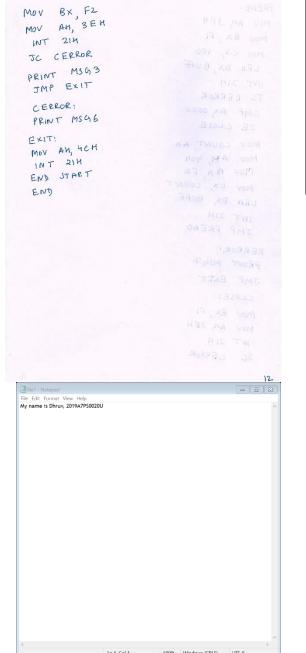


C:\TASM>lab6_3.exe 15-03-2021 C:\TASM>

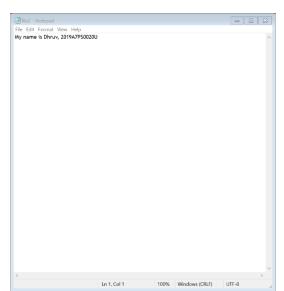
Displays the date

Ex: Write a program to copy content of one file to another

```
Ex MODEL SMALL
                                                START:
  STACK 20
                                                MOV AX, @ DATA
PRINT MACRO MSG
                                                MOV DS, AX
                                                MOV SI, 824
LEA DI, FILET
LEA DX, MSG
 MOV AH, O9H
 INT 21H
                                                READI :
 ENDM
                                                MOV AL, [SI]
                                                CMP AL, a "
 DATA
 FILEL DB 20 DUP(0)
                                                JE NEXT
 FILE2 DB 20 DUP(0)
                                                MOV EDIJ, AL
 FI DW ?
                                                 INC DI
                                                 INC SI
 F2 DW ?
                                                 JMP READ!
 COUNT DW ?
 BUFF DB 100, 0, 100 DUP ('0') THEM BAZ
                                                NEXT: INC SI
                                                LEA DI, FILEZ
 MSGI DB OAH, ODH, "File names lead $"
 MSG2 DB OAM, ODH, " File opened succenfully"
                                                READ2!
                                                MOV AL, ESI]
 MSG3 DB OAM, ODM, " File closed $"
                                                 CMP AL, ODH
 MSG4 DB OAN, ODN, "File copied $"
 MSG5 DB OAK, ODA, " could not open file!"
                                                 JE READCOMP
                                                 MOV CDI3, AL
 MSG6 DB OAM, ODM, "could not close file 5"
                                                 LOOP READZ
  MSGA DB OAH, ODH, "Could not read file s"
                                                 READCOMP:
                                                 PRINT MSGI
                                                                                        9
                                       8
OPENI:
                                                FREAD:
MOV AH, 304
                                               MOV AN, 3FM
 MOV AL, 00
                                               MOV BX, FI
 LEA DX, FILE!
                                               MOU CX, 100
 INT 214
                                                LEA DX, BUFF
 JNC OPEN_SUC
                                                INT 21H
  PRINT MSG5
                                                JC RERROR
  JMP EXIT
                                                CMP AX, 0000
 OPEN_SUC:
                                                 JE CLOSE
  MOV FI, AX
                                                MOV COUNT AX
  PRINT MSG2
                                                 MOV ATT, YOH
  MOV AH, 3DH
                                                 MOV BX FZ
MOV CX, COUNT
LEA DX, BUFF
  Mov AL, OI
  LEA DX, FILEZ
  INT 21H
                                                 INT 21H
  JNC OPEN_SUC2
                                                  JMP FREAD
 PRINT MSG5
                           READZ:
NW AL EST
OMP AL ODH
  JMP EXIT
                                                 RERRUR:
                                                 PRINT MSG7
  OPEN_SUC 2
                                                  JMP EXIT
  Mov F2, Ax
  PRINT MSG 2
                                                   CLOSE:
                                                  MOV BX, FI
                                                   Mov An, 3FH
                                                   INT 21 H
                                                   JC CERROR
```







Copied contents of File1.txt to File2.txt