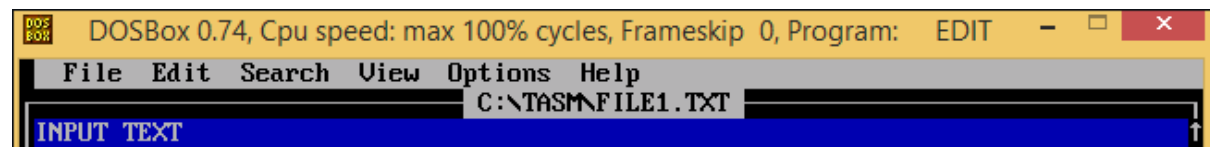


P1:

MODEL SMALL	MOV AX, @DATA	MOV AH, 40H
STACK 20	MOV DS, AX	MOV CH, 00H
PRINT MACRO MSG	MOV ES, AX	MOV CL, TEXT + 1
MOV AH, 09H	PRINT MSG1	LEA DX, TEXT + 2
LEA DX, MSG	READ FNAME	INT 21H
INT 21H	LEA SI, FNAME + 2	JNC SUCC3
ENDM	MOV CL, FNAME + 1	PRINT MSG6
READ MACRO STR	MOV CH, 00	MOV AH, 3EH
LEA DX, STR	ADD SI, CX	INT 21H
MOV AH, 0AH	MOV BYTE PTR ES:J, 00	JMP EXIT
INT 21H	LEA DX, FNAME + 2	SUCC3:
ENDM	MOV AH, 3CH	PRINT MSG7
.DATA	MOV CX, 0000H	EXIT:
MSG1 DB 00H, 0AH, 'ENTER A FILENAME:.'	INT 21H	MOV AH, 4CH
MSG2 DB 00H, 0AH, 'FILE IS CREATED.'	JNC SUCC1	INT 21H
MSG3 DB 00H, 0AH, 'ERROR IN FILE CREATION.'	PRINT MSG3	END START
MSG4 DB 00H, 0AH, 'ENTER A TEXT:.'	JMP EXIT	
MSG5 DB 00H, 0AH, 'ERROR IN FILE OPENING.'	SUCC1:	
MSG6 DB 00H, 0AH, 'ERROR IN WRITING.'	PRINT MSG2	
MSG7 DB 00H, 0AH, 'CREATING AND WRITING SUCCESSFUL.'	PRINT MSG4	
FNAME DB 80	READ TEXT	
DB ?	MOV AH, 3DH	
DB 80 DUP(?)	MOV AL, 01H	
TEXT DB 80	LEA DX, FNAME + 2	
DB ?	INT 21H	
DB 80 DUP(?)	JNC SUCC2	
CODE	PRINT MSG5	
START:	JMP EXIT	
	SUCC2:	
	MOV BX, AX	

C:\TASM>LAB6Q1

ENTER A FILENAME:FILE1.TXT  
FILE IS CREATED:  
ENTER A TEXT:INPUT TEXT  
CREATING AND WRITING SUCCESSFUL:



P2:

MODEL SMALL	MOV AH, 02
STACK 20	INT 21H
DATA	MOV AL, 0H
MS DB "PRESENT TIME IS :\$"	CALL DISP
CODE	MOV AH, 02
START:	MOV BH, 0
MOV AX, 00ATA	MOV DH, 24
MOV DS, AX	MOV DL, 00
MOV AH, 00	INT 10H
MOV AL, 02H	MOV AH, 4CH
INT 10H	INT 21H
MOV AH, 02	DISP PROC NEAR
MOV BH, 0	AAM
MOV DH, 12	ADD AX, 3030H
MOV DL, 30	MOV BX, AX
INT 10H	MOV DL, BH
LEA DX, MS	MOV AH, 02
MOV AH, 09	INT 21H
INT 21H	MOV DL, BL
	MOV AH, 02
MOV AH, 2CH	INT 21H
INT 21H	RET
MOV AL, CH	ENDP
CALL DISP	END START
MOV DL, :	
MOV AH, 02	
INT 21H	
MOV AL, CL	
CALL DISP	
MOV DL, :	



P3:

```
.MODEL SMALL
.STACK 20
PRINT MACRO MSG
    MOV AH, 09H
    MOV DX, OFFSET MSG
    INT 21H
ENDM
.DATA
    DAY DB '??-'
    MONTH DB '??-'
    YEAR DB '??,??,?'
.CODE
START:
    MOV AX, @DATA
    MOV DS, AX
    MOV ES, AX
    MOV AH, 2AH
    INT 21H
    PUSH CX
    PUSH DX
    MOV AL, DL
    LEA SI, DAY
    MOV AH, 00H
    CALL CONV
    POP DX
    MOV AL, DH
    LEA SI, MONTH
    MOV AH, 00H
    CALL CONV
    POP AX
```

```
    LEA SI, YEAR
    CALL CONV
    PRINT DAY
    MOV AH, 4CH
    INT 21H
CONV PROC NEAR
    MOV CX, 0000H
    MOV BX, 000AH
    NEXT:
    MOV DX, 0000
    DIV BX
    ADD DL, 30H
    PUSH DX
    INC CX
    CMP AX, 000AH
    JGE NEXT
    ADD AL, 30H
    MOVESI, AL
    UP:
    POP AX
    INC SI
    MOVESI, AL
    LOOP UP
    RET
CONV ENDP
END START
```

```
C:\TASM>LAB6Q3
29-03-2022
C:\TASM>_
```

## Exercise Question(File data transfer)

.model small	add si, cx
.386	mov al, 0
stack 100h	mov c si j, al
data	mov ah, 3ch
handle dw ?	mov cx, 0
handle2 dw ?	mov dx, offset filename + 2
filename db 26	int 21h
db ?	jc failed
db 26 dup(0)	mov handle, ax
filename2 db 26	mov DI, 100 ;CANT USE CX BECAUSE WE NEED IT TO WRITE TO FILE.
db ?	PL:
db 26 dup(0)	mov ah, 40h
prompt1 db 13,10,"ENTER FILE NAME HERE: \$"	mov bx, handle
prompt2 db 13,10,"ENTER A SECOND FILE NAME: \$"	mov dx, offset mess1
mess1 db "QUES 2 \$"	mov cx, 7 ;LENGTH OF STRING IN CX.
buf db ?	int 21h
.code	DEC DI ;DECREASE COUNTER.
main:	jnz PL
mov ax, @data	mov ah, 3Eh
mov ds, ax	mov bx, handle
lea dx, prompt1	int 21h
mov ah, 9	mov ah, 30H
int 21h	mov al, 0
mov ah, 0Ah	mov dx, offset filename + 2
mov dx, offset filename	int 21h
int 21h	mov handle, ax
mov si, offset filename + 1	lea dx, prompt2
mov cl, c si j	mov ah, 9
mov ch, 0	int 21h
inc cx	mov ah, 0Ah

```

mov dx, offset filename2
int 21h
mov si, offset filename2 + 1
mov cl, [si]
mov ch, 0
inc cx
add si, cx
mov al, 0
mov [si], al
mov ah, 3ch
mov cx, 0
mov dx, offset filename2 + 2
int 21h
jc failed
mov handle2, ax
reading:
mov ah, 3FH
mov bx, handle
mov cx, 1
mov dx, offset buf
int 21h
cmp ax, 0
je eof
mov ah, 40h
mov bx, handle2
mov dx, offset buf
mov cx, 1
int 21h
jmp reading

```

```

eof:
mov ah, 3Eh
mov bx, handle
int 21h
mov ah, 3Eh
mov bx, handle2
int 21h
failed:
mov ah, 4ch
int 21h
end main

```

C:\TASM>LAB6Q4

ENTER FILE NAME HERE: FILE1.TXT  
 ENTER A SECOND FILE NAME: FILE2.TXT  
 C:\TASM>

