

Q-7) Creation & deletion of a file.

• 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 fname1[si], al  
       inc si
```

```

    jmp back1
next1: mov frame1[SI], '$'
       lea dx, frame1
       mov cx, 00
       mov ah, 3ch
       int 21h
       jc cfail
       disp msg2
       jmp del
cfail: disp msg3
del:   disp msg4
       mov SI, 00
back2: mov ah, 01h
       int 21h
       cmp al, 0dh
       je next2
       mov frame2[SI], al
       inc SI
       jmp back2
next2: mov frame2[SI], '$'
       lea dx, frame2
       mov ah, 41h
       int 21h
       jc dfail
       disp msg5
       jmp last
dfail: disp msg6
last:  mov ah, 4ch
       int 21h
       end

```

```
.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 THE 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 FNAME1[SI],AL
```

```
    INC SI
```

```
    JMP BACK1
```

```
NEXT1: MOV FNAME1[SI],'$'
```

```
    LEA DX, FNAME1
```

```
    MOV CX,00
```

```
    MOV AH,3CH
```

```
    INT 21H
```

```
    JC CFail
```

```
    DISP MSG2
```

```
    JMP DEL
```

```
CFail: DISP MSG3
```

```
DEL: DISP MSG4
```

```
    MOV SI,00
```

```
BACK2: MOV AH,01H
```

```
    INT 21H
```

```
    CMP AL,0DH
```

```
    JE NEXT2
```

```
INT 21H
CMP AL,0DH
JE NEXT2
MOV FNAME2[SI],AL
INC SI
JMP BACK2
```

```
NEXT2: MOV FNAME2[SI],'$'
LEA DX,FNAME2
```

```
MOV AH,41H
INT 21H
JC DFAIL
DISP MSG5
JMP LAST
```

```
DFAIL: DISP MSG6
```

```
LAST: MOV AH,4CH
INT 21H
END
```

```
C:\NASHM>file
```

```
ENTER THE FILE NAME FOR CREATION: tree
```

```
FILE CREATED SUCCESSFULLY.
```

```
ENTER THE FILE NAME FOR DELETION: tree
```

```
FILE DELETED SUCCESSFULLY.
```

```
C:\NASHM>_
```