

17/11/20 Lab 6, Sudeshna Bhushan, 1BM19CS189

## Q. FILE INSERTION 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 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 ; FILENAME FOR CREATION IS
      INT 21H      BMSCE
      CMP AL, 0DH
      JE NEXT1
      MOV FNAME1[SI], AL ; FNAME1[00] = 'B'
      INC SI ; FNAME1[01] = 'M'
      JMP BACK1 ; SI=01, SI=02

```

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NEXT1: MOV FNAME1[SI], '$' ; FNAME1[05] = '$'
      LEA DX, FNAME1
      MOV CX, 00
      MOV AH, 3CH ; INTERRUPT FOR FILE
      INT 21H      CREATION
      JC CFAIL
      DISP MSG2
      JMP DEL

```

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CFAIL: DISP MSG3

```

```

DEL: DISP MSG4
     MOV SI, 00

```

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BACK2: MOV AH, 01H
      INT 21H
      CMP AL, 0DH
      JE NEXT2

```



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MOV FNAME2[SI], AL
INC ST
JMP BACK2
```

```
NEXT2: MOV FNAME2[SI], '$'
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```
LEA DX, FNAME2
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```
MOV AH, 41H ; INTERRUPT FOR FILE
INT 21H ; DELETION
```

```
JC DFALL
```

```
DISP MSG5
```

```
JMP LAST
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```
DFALL: DISP MSG6
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```
LAST: MOV AH, 4CH
```

```
INT 21H
```

```
END
```

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