

```
File Edit Search View Options Help
C:\MASM\CRTDEL.ASM

.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

Commands for manipulating files
```

```
File Edit Search View Options Help
C:\MASM\CRTDEL.ASM

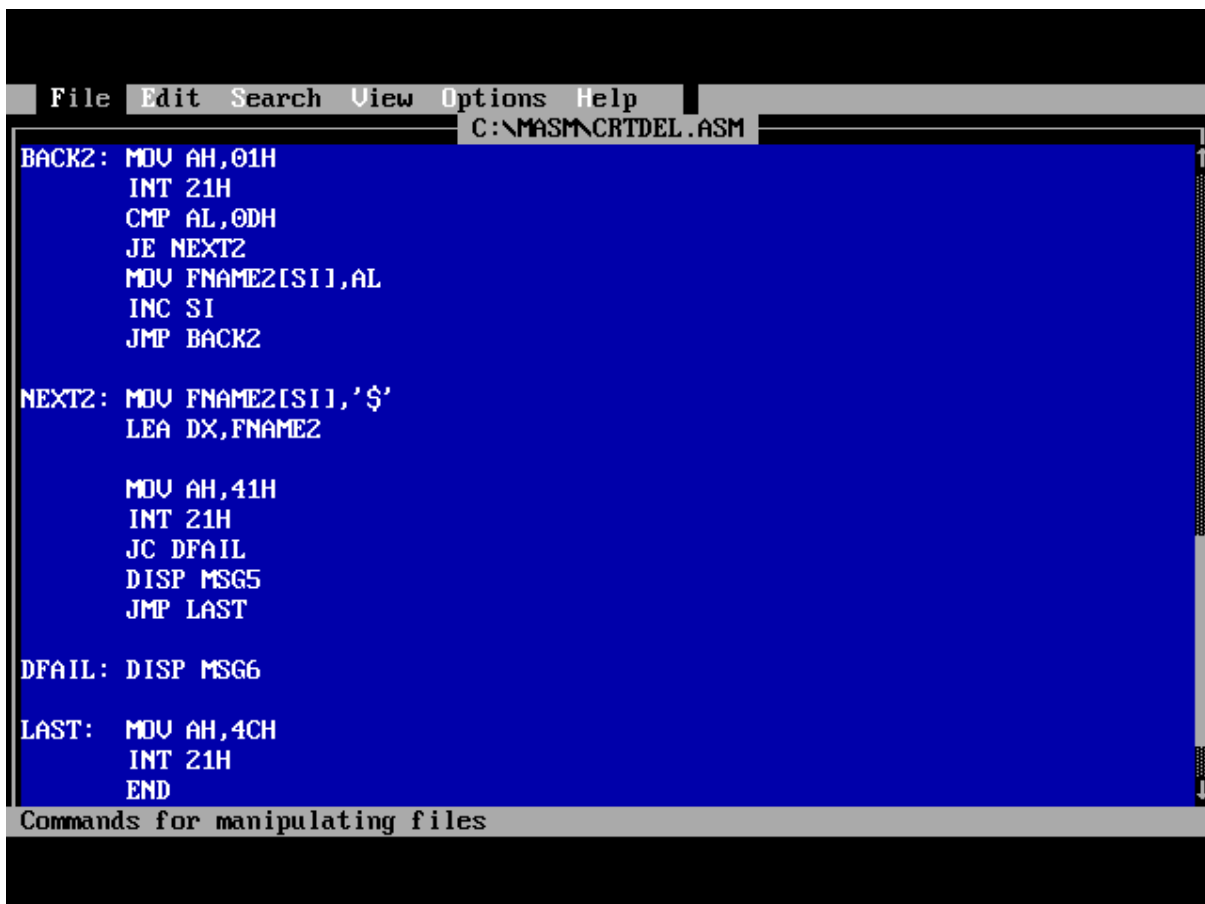
BACK1: MOV AH,01H
        INT 21H
        CMP AL,0DH
        JE NEXT1
        MOV FNAME1[SI],AL
        INC SI
        JMP BACK1

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

Commands for manipulating files
```



The image shows a screenshot of a DOS-style text editor window. The title bar at the top reads "C:\MASM\CRTDEL.ASM". The menu bar includes "File", "Edit", "Search", "View", "Options", and "Help". The main text area has a blue background and contains the following assembly code:

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

At the bottom of the window, there is a status bar that reads "Commands for manipulating files".

C:\MASM>LINK CRTDEL;;

Microsoft (R) Overlay Linker Version 3.60  
Copyright (C) Microsoft Corp 1983-1987. All rights reserved.

LINK : warning L4021: no stack segment

C:\MASM>CRTDEL

ENTER THE FILE NAME FOR CREATION:-SAMPLE

FILE CREATED SUCCESSFULLY

ENTER THE FILE NAME FOR DELETIONITEM

DELETION FAILED

C:\MASM>CRTDEL

ENTER THE FILE NAME FOR CREATION:-ITEM

FILE CREATED SUCCESSFULLY

ENTER THE FILE NAME FOR DELETIONITEM

FILE DELETED SUCCESSFULLY

C:\MASM>\_

The screenshot displays the MASM interface with a menu bar (File, Edit, View, Search, Run, Watch, Options, Calls, Help) and a toolbar. The main window is divided into three panes: 'local' (showing 'source1 CS:IP (ACTIVE)'), 'reg' (showing register values), and 'command' (showing assembly code). The 'reg' pane lists registers AX through FL with their current values. The 'command' pane shows assembly instructions for addresses 052A:0000 to 052A:002B. The status bar at the bottom provides keyboard shortcuts for various actions.

| Address   | Instruction | Comment                   |
|-----------|-------------|---------------------------|
| 052A:0000 | B83205      | MOV AX,0532               |
| 052A:0003 | 8ED8        | MOV DS,AX                 |
| 052A:0005 | 8D160400    | LEA DX,Word Ptr [0004]    |
| 052A:0009 | B409        | MOV AH,09                 |
| 052A:000B | CD21        | INT 21                    |
| 052A:000D | BE0000      | MOV SI,0000               |
| 052A:0010 | B401        | MOV AH,01                 |
| 052A:0012 | CD21        | INT 21                    |
| 052A:0014 | 3C0D        | CMP AL,0D                 |
| 052A:0016 | 7407        | JZ 001F                   |
| 052A:0018 | 8B84A800    | MOV Byte Ptr [SI+00A8],AL |
| 052A:001C | 46          | INC SI                    |
| 052A:001D | EBF1        | JMP 0010                  |
| 052A:001F | C684A80024  | MOV Byte Ptr [SI+00A8],24 |
| 052A:0024 | 8D16A800    | LEA DX,Word Ptr [00A8]    |
| 052A:002B | B90000      | MOV CX,0000               |

Registers (reg):

| Register | Value |
|----------|-------|
| AX       | 0000  |
| BX       | 0000  |
| CX       | 0000  |
| DX       | 0000  |
| SP       | 0000  |
| BP       | 0000  |
| SI       | 0000  |
| DI       | 0000  |
| DS       | 051A  |
| ES       | 051A  |
| SS       | 0529  |
| CS       | 052A  |
| IP       | 0000  |
| FL       | 0200  |

Command Line:

```
051A:0000 CD 20 FF 9F 00 EA FF FF-AD DE 6C 02 CD 03 32 03 . ...  
051A:0010 CD 03 4B 0A CD 03 FF 04-01 01 01 00 02 03 FF FF ..K..  
>
```

Status Bar: <F8=Trace> <F10=Step> <F5=Go> <F6=Window> <F3=Display> <ESC=Cancel>

