

(globals)

Project C 1leveldirecos.c 2leveldiros.c

```
1 #include<stdio.h>
2 #include<string.h>
3 #include<stdlib.h>
4 struct
5 {
6     char dname[10],fname[10][10];
7     int fcnt;
8 }dir[10];
9 void main()
10 {
11     int i,ch,dcnt,k;
12     char f[30], d[30];
13     dcnt=0;
14     while(1)
15     {
16         printf("1. Create Directory\t2. Create File\t3. Delete File");
17         printf("\n4. Search File\t\t5. Display\t6. Exit\tEnter your choice --");
18         scanf("%d",&ch);
19         switch(ch)
20         {
21             case 1: printf("\nEnter name of directory -- ");
22                     scanf("%s", dir[dcnt].dname);
23                     dir[dcnt].fcnt=0;
24                     dcnt++;
25                     printf("Directory created");
26                     break;
27             case 2: printf("\nEnter name of the directory -- ");
28                     scanf("%s",d);
29                     for(i=0;i<dcnt;i++)
30                         if(strcmp(d,dir[i].dname)==0)
31                         {
32                             printf("Enter name of the file -- ");
33                             scanf("%s",dir[i].fname[dir[i].fcnt]);
34                             dir[i].fcnt++;
35                             printf("File created");
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36         break;
37     }
38     if(i==dcnt)
39         printf("Directory %s not found",d);
40     break;
41 case 3: printf("\nEnter name of the directory -- ");
42     scanf("%s",d);
43     for(i=0;i<dcnt;i++)
44     {
45         if(strcmp(d,dir[i].dname)==0)
46         {
47             printf("Enter name of the file -- ");
48             scanf("%s",f);
49             for(k=0;k<dir[i].fcnt;k++)
50             {
51                 if(strcmp(f, dir[i].fname[k])==0)
52                 {
53                     printf("File %s is deleted ",f);
54                     dir[i].fcnt--;
55                     strcpy(dir[i].fname[k],dir[i].fname[dir[i].fcnt]);
56                     goto jmp;
57                 }
58             }
59             printf("File %s not found",f);
60             goto jmp;
61         }
62     }
63     printf("Directory %s not found",d);
64     jmp : break;
65 case 4: printf("\nEnter name of the directory -- ");
66     scanf("%s",d);
67     for(i=0;i<dcnt;i++)
68     {
69         if(strcmp(d,dir[i].dname)==0)
70     {

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71     print("Enter the name of the file -- ");
72     scanf("%s",f);
73     for(k=0;k<dir[i].fcnt;k++)
74     {
75         if(strcmp(f, dir[i].fname[k])==0)
76         {
77             printf("File %s is found ",f);
78             goto jmpl;
79         }
80     }
81     printf("File %s not found",f);
82     goto jmpl;
83 }
84 }
85 printf("Directory %s not found",d);
86 jmpl: break;
87 case 5: if(dcnt==0)
88     printf("\nNo Directory's ");
89 else
90 {
91     printf("\nDirectory\tFiles");
92     for(i=0;i<dcnt;i++)
93     {
94         printf("\n%s\t\t",dir[i].dname);
95         for(k=0;k<dir[i].fcnt;k++)
96             printf("\t%s",dir[i].fname[k]);
97     }
98 }
99 break;
100 default: exit(0);
101 }
102 }
103 }

```

```
C:\Users\aswin\Documents\2leveldiros.exe
Directory created1. Create Directory 2. Create File 3. Delete File
4. Search File 5. Display 6. Exit Enter your choice --2

Enter name of the directory -- rrr
Enter name of the file -- 564
File created1. Create Directory 2. Create File 3. Delete File
4. Search File 5. Display 6. Exit Enter your choice --2

Enter name of the directory -- rrr
Enter name of the file -- 345
File created1. Create Directory 2. Create File 3. Delete File
4. Search File 5. Display 6. Exit Enter your choice --3

Enter name of the directory -- rrr
Enter name of the file -- 345
File 345 is deleted 1. Create Directory 2. Create File 3. Delete File
4. Search File 5. Display 6. Exit Enter your choice --4

Enter name of the directory -- rrr
Enter the name of the file -- 564
File 564 is found 1. Create Directory 2. Create File 3. Delete File
4. Search File 5. Display 6. Exit Enter your choice --5

Directory      Files
rrr            5641. Create Directory 2. Create File 3. Delete File
4. Search File 5. Display 6. Exit Enter your choice --6

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Process exited after 58.73 seconds with return value 0
Press any key to continue . . .
```