

```

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

struct
{
    char dname[10],fname[10][10];
    int fcnt;
}dir[10];

int main()
{
    int i,ch,dcnt,k;
    char f[30], d[30];
    // clrscr();
    dcnt=0;

    while(1)
    {
        printf("\n\n1. Create Directory\t2. Create File\t3. Delete File");
        printf("\n4. Search File\t\t5. Display\t6. Exit\tEnter your choice --");
        scanf("%d",&ch);

        switch(ch)
        {
            case 1: printf("\nEnter name of directory -- ");
                    scanf("%s", dir[dcnt].dname);
                    dir[dcnt].fcnt=0;
                    dcnt++;
                    printf("Directory created");
                    break;

```

case 2: printf("\nEnter name of the directory -- ");

```
scanf("%s",d);
```

```
for(i=0;i<dcnt;i++)
```

```
    if(strcmp(d,dir[i].dname)==0)
```

```
    {
```

```
        printf("Enter name of the file -- ");
```

```
        scanf("%s",dir[i].fname[dir[i].fcnt]);
```

```
        dir[i].fcnt++;
```

```
        printf("File created");
```

```
        break;
```

```
    }
```

```
if(i==dcnt)
```

```
    printf("Directory %s not found",d);
```

```
break;
```

case 3: printf("\nEnter name of the directory -- ");

```
scanf("%s",d);
```

```
for(i=0;i<dcnt;i++)
```

```
{
```

```
    if(strcmp(d,dir[i].dname)==0)
```

```
    {
```

```
        printf("Enter name of the file -- ");
```

```
        scanf("%s",f);
```

```
        for(k=0;k<dir[i].fcnt;k++)
```

```
        {
```

```
            if(strcmp(f, dir[i].fname[k])==0)
```

```
            {
```

```
                printf("File %s is deleted ",f);
```

```
                dir[i].fcnt--;
```

```
                strcpy(dir[i].fname[k],dir[i].fname[dir[i].fcnt]);
```

```

        goto jmp;
    }
}

printf("File %s not found",f);
goto jmp;
}
}

```

```

printf("Directory %s not found",d);
jmp : break;

```

case 4: printf("\nEnter name of the directory -- ");

```

scanf("%s",d);
for(i=0;i<dcnt;i++)
{
    if(strcmp(d,dir[i].dname)==0)
    {
        printf("Enter the name of the file -- ");
        scanf("%s",f);
        for(k=0;k<dir[i].fcnt;k++)
        {
            if(strcmp(f, dir[i].fname[k])==0)
            {
                printf("File %s is found ",f);
                goto jmp1;
            }
        }
        printf("File %s not found",f);
        goto jmp1;
    }
}

```

```

    }

    printf("Directory %s not found",d);

    jmp1: break;
case 5: if(dcnt==0)

    printf("\nNo Directory's ");

else

{

    printf("\nDirectory\tFiles");

    for(i=0;i<dcnt;i++)

    {

        printf("\n%s\t\t",dir[i].dname);

        for(k=0;k<dir[i].fcnt;k++)

            printf("\t%s",dir[i].fname[k]);

    }

}

break;

default:exit(0);

}

}

}

```

Output:

```

1. Create Directory    2. Create File    3. Delete File
4. Search File        5. Display       6. Exit Enter your choice --1

Enter name of directory -- sai
Directory created

1. Create Directory    2. Create File    3. Delete File
4. Search File        5. Display       6. Exit Enter your choice --|

```