

**15. Design a C program to organize the file using two level directory structure.**

```
        break;
    }
}

break;

case 3:

printf("Enter directory name: ");
scanf("%s", d);
printf("Enter file name to delete: ");
scanf("%s", f);

for (i = 0; i < dc; i++) {
    if (strcmp(d, dir[i].dname) == 0) {
        for (j = 0; j < dir[i].fcnt; j++) {
            if (strcmp(f, dir[i].fname[j]) == 0) {
                strcpy(dir[i].fname[j], dir[i].fname[dir[i].fcnt - 1]);
                dir[i].fcnt--;
                printf("File deleted.\n");
                goto next;
            }
        }
    }
}

printf("File not found.\n");

next:

break;

case 4:

printf("Enter directory name: ");
scanf("%s", d);
printf("Enter file name to search: ");
scanf("%s", f);

for (i = 0; i < dc; i++) {
```

```

if (strcmp(d, dir[i].dname) == 0) {
    for (j = 0; j < dir[i].fcount; j++) {
        if (strcmp(f, dir[i].fname[j]) == 0) {
            printf("File found.\n");
            goto next2;
        }
    }
}

printf("File not found.\n");

next2:
break;

case 5:
for (i = 0; i < dc; i++) {
    printf("\nDirectory %s contains:\n", dir[i].dname);
    for (j = 0; j < dir[i].fcount; j++)
        printf("%s\n", dir[i].fname[j]);
}
break;

case 6:
return 0;
}
}
}

```

## **OUTPUT:**

1. Create Directory
2. Create File
3. Delete File

4. Search File

5. Display

6. Exit

Enter choice: 1

Enter directory name: OS

1. Create Directory

2. Create File

3. Delete File

4. Search File

5. Display

6. Exit

Enter choice: 2

Enter directory name: RAM

1. Create Directory

2. Create File

3. Delete File

4. Search File

5. Display

6. Exit

Enter choice: 3

Enter directory name: PROCESSOR

Enter file name to delete: OS

File not found.

1. Create Directory

2. Create File

3. Delete File

4. Search File

5. Display

6. Exit

Enter choice: 4

Enter directory name: VD

Enter file name to search: OS

File not found.

1. Create Directory

2. Create File

3. Delete File

4. Search File

5. Display

6. Exit

Enter choice: 5

Directory OS contains:

1. Create Directory

2. Create File

3. Delete File

4. Search File

5. Display

6. Exit

Enter choice: 6