14. Construct a C program to organize the file using single level directory.

```c
#include <stdio.h>
#include <string.h>
struct {
    char dname[10];
    char fname[10][10];
    int fcount;
} dir;

int main() {
    int ch;
    char f[10];
    strcpy(dir.dname, "root");
    dir.fcount = 0;
    while (1) {
        printf("\n1. Create File\n2. Delete File\n3. Search File\n4. Display Files\n5. Exit\nEnter choice: ");
        scanf("%d", &ch);
        switch (ch) {
        case 1:
            printf("Enter file name: ");
            scanf("%s", dir.fname[dir.fcount]);
            dir.fcount++;
            break;
        case 2:
            printf("Enter file name to delete: ");
            scanf("%s", f);
            for (int i = 0; i < dir.fcount; i++) {
                if (strcmp(f, dir.fname[i]) == 0) {
                    strcpy(dir.fname[i], dir.fname[dir.fcount - 1]);
```

```c
                dir.fcount--;
                printf("File deleted.\n");
                break;
            }
        }
        break;
    case 3:
        printf("Enter file name to search: ");
        scanf("%s", f);
        for (int i = 0; i < dir.fcount; i++) {
            if (strcmp(f, dir.fname[i]) == 0) {
                printf("File found.\n");
                goto next;
            }
        }
        printf("File not found.\n");
    next:
        break;
    case 4:
        printf("Directory: %s\n", dir.dname);
        for (int i = 0; i < dir.fcount; i++)
            printf("%s\n", dir.fname[i]);
        break;
    case 5:
        return 0;

    }
  }
}
```

OUTPUT:

1. Create File

2. Delete File

3. Search File

4. Display Files

5. Exit

Enter choice: 1

Enter file name: os

1. Create File

2. Delete File

3. Search File

4. Display Files

5. Exit

Enter choice: 2

Enter file name to delete: os

File deleted.

1. Create File

2. Delete File

3. Search File

4. Display Files

5. Exit

Enter choice: 3

Enter file name to search: os

File not found.

1. Create File

2. Delete File

3. Search File

4. Display Files

5. Exit

Enter choice: 4

Directory: root

1. Create File

2. Delete File

3. Search File

4. Display Files

5. Exit

Enter choice: 5