EX NO: 11	**VARIOUS FILE ORGANIZATION TECHNIQUES**
DATE:	

A. IMPLEMENTATION OF SINGLE LEVEL DIRECTORY AIM:

To write a C program to implement Single - Level directory structure in C

ALGORITHM:

1.   Start

2.   Declare the number, names and size of the directories and file names.

3.   Get the values for the declared variables.

4.   Display the files that are available in the directories. 5. Stop

PROGRAM:

```c
#include<stdio.h>
main() { int
master,s[20]; char
f[20][20][20]; char
d[20][20];
int i,j;
```

```c
printf("enter number of directorios:"); scanf("%d",&master);
printf("enter names of directories:"); for(i=0;i<master;i++)
scanf("%s",&d[i]); printf("enter size of directories:");
for(i=0;i<master;i++) scanf("%d",&s[i]); printf("enter the file names
:"); for(i=0;i<master;i++) for(j=0;j<s[i];j++) scanf("%s",&f[i][j]);
printf("\n"); printf(" directory\tsize\tfilenames\n");
```

```c
printf("*******************************************\n");
for(i=0;i<master;i++)
{
printf("%s\t\t%2d\t",d[i],s[i]);
for(j=0;j<s[i];j++)
printf("%s\n\t\t\t",f[i][j]);
printf("\n"); } printf("\t\n");
}
```

OUTPUT:

```
🔴⚪⚪  mohamedinam@Mohamed-Inam-PC: ~
mohamedinam@Mohamed-Inam-PC:~$ ./singledir
enter number of directorios:2
enter names of directories:cse it
enter size of directories:3 4
enter the file names :aaa
bbb
ccc
ddd
eee
fff
ggg

 directory      size     filenames
**************************************************
cse             3        aaa
                         bbb
                         ccc

it              4        ddd
                         eee
                         fff
                         ggg


mohamedinam@Mohamed-Inam-PC:~$ ▮
```

RESULT:

Thus the Single level directory structure is written and executed successfully.