

## 27. Develop a C program for simulating the function of ls UNIX Command.

```
#include <stdio.h>

#include <dirent.h>

int main() {

    DIR *d;

    struct dirent *dir;

    d = opendir("."); // open current directory

    if (d == NULL) {

        printf("Could not open current directory.\n");

        return 0; }

    printf("Files and Directories:\n");

    while ((dir = readdir(d)) != NULL) {

        printf("%s\n", dir->d_name);

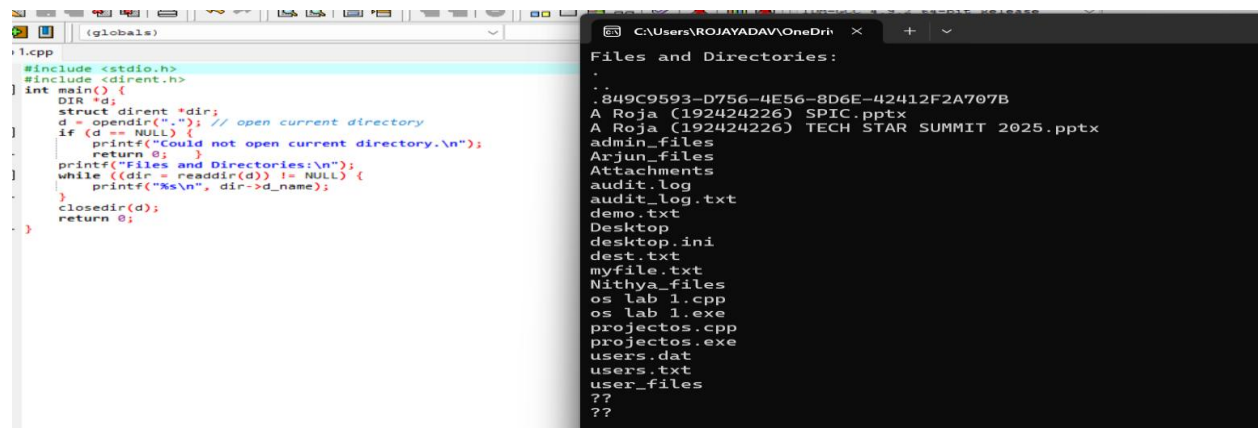
    }

    closedir(d);

    return 0;

}
```

### OUTPUT-

The image shows a screenshot of a C program and its output. On the left, a code editor displays the source code for a program that lists files and directories in the current directory. The code includes headers for stdio and dirent, opens the current directory with opendir, and then iterates through the directory entries using readdir, printing each entry's name. On the right, a terminal window shows the output of the program, which lists the files and directories in the current directory, including hidden files like .849C9593-D756-4E56-8D6E-42412F2A707B and .bashrc, as well as files like A Roja (192424226) SPIC.pptx and A Roja (192424226) TECH STAR SUMMIT 2025.pptx.