**Experiment-27:Develop a C program for simulating the function of ls UNIX Command.**

Aim:

To develop a C program that simulates the function of the ls command in UNIX, which lists the files and directories in the current directory.

Procedure:

1. Open the Directory: Use opendir to open the current directory.
2. Read Directory Entries: Use readdir to read entries in the directory.
3. Display Directory Contents: Print the names of files and directories.
4. Close the Directory: Use closedir to close the directory.

Code:

#include <stdio.h>

#include <dirent.h>

int main() {

DIR \*dir;

struct dirent \*entry;

dir = opendir(".");

if (dir == NULL) {

perror("Error opening directory");

return 1;

}

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

printf("%s\n", entry->d\_name);

}

closedir(dir);

return 0;

}

Output:

A screenshot of a computer

Description automatically generated