

Shell assignment question

Task:

Write a C program to implement the command line shell

Commands supported:

1. pwd
2. ld
3. mkdir
4. rmdir
5. rm
6. cd

Running instructions:

C++11 or greater should be used to execute this program.

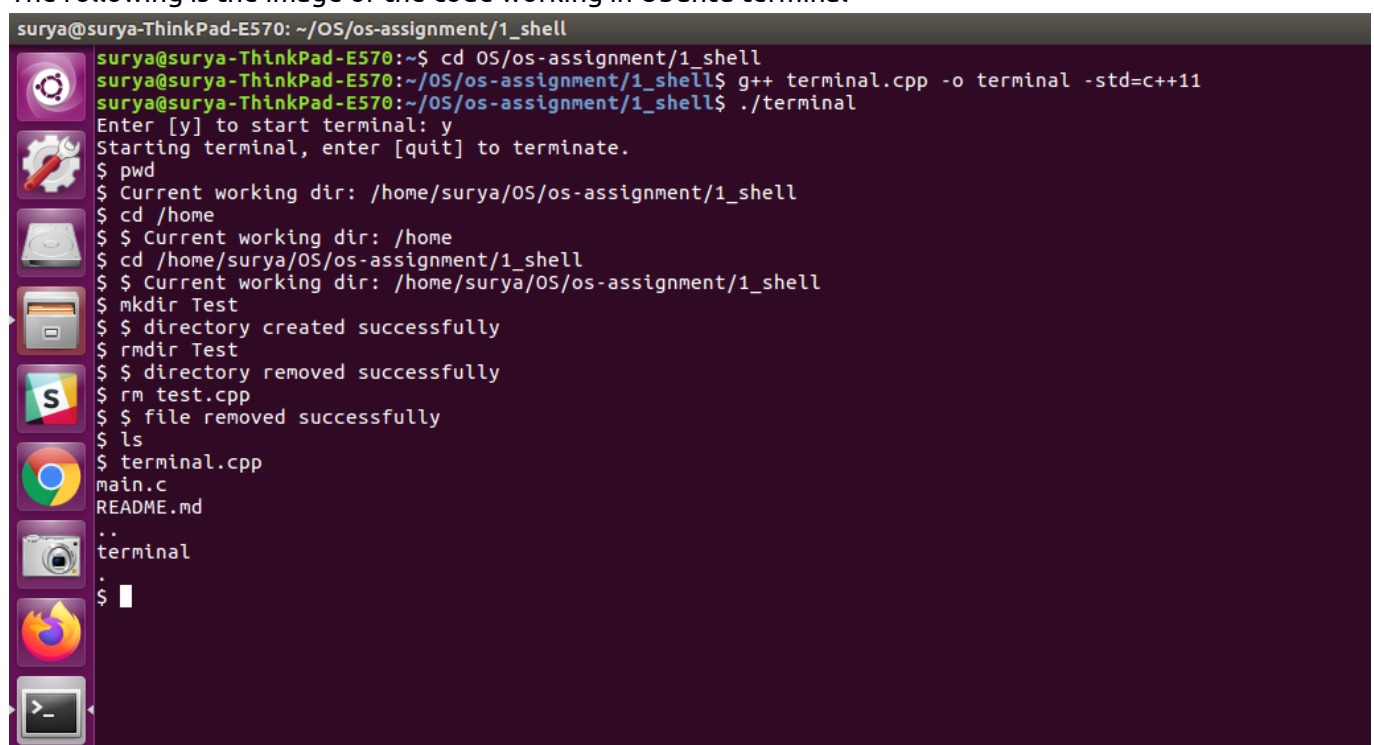
Command to compile and run the program:

```
g++ terminal.cpp -o terminal -std=c++11 && ./terminal
```

The terminal will open and the instructions ensuing will guide the user.

Sample output:

The following is the image of the code working in Ubuntu terminal -



```
surya@surya-ThinkPad-E570: ~/OS/os-assignment/1_shell
surya@surya-ThinkPad-E570:~$ cd OS/os-assignment/1_shell
surya@surya-ThinkPad-E570:~/OS/os-assignment/1_shell$ g++ terminal.cpp -o terminal -std=c++11
surya@surya-ThinkPad-E570:~/OS/os-assignment/1_shell$ ./terminal
Enter [y] to start terminal: y
Starting terminal, enter [quit] to terminate.
$ pwd
$ Current working dir: /home/surya/OS/os-assignment/1_shell
$ cd /home
$ $ Current working dir: /home
$ cd /home/surya/OS/os-assignment/1_shell
$ $ Current working dir: /home/surya/OS/os-assignment/1_shell
$ mkdir Test
$ $ directory created successfully
$ rmdir Test
$ $ directory removed successfully
$ rm test.cpp
$ $ file removed successfully
$ ls
$ terminal.cpp
main.c
README.md
..
terminal
.
$
```