1) Server:-

```
●  ●  ●                Echo_Server — a.out 10222 — 80×29

[NIKHILs-MacBook-Air:echo_server nikhil$ ls                               ]
 a.out    main.c
[NIKHILs-MacBook-Air:echo_server nikhil$ ./a.out 10222                    ]

 New Client connected with Port No. 50441 & IP address 127.0.0.1
```

Client:-

```
●  ●  ●                Echo_Client — a.out 127.0.0.1 10222 — 82×29

[NIKHILs-MacBook-Air:~ nikhil$ cd desktop/programming/echo_client/echo_client    ]
[NIKHILs-MacBook-Air:echo_client nikhil$ ls                              ]
 a.out           client_file.txt main.c
[NIKHILs-MacBook-Air:echo_client nikhil$ ./a.out 127.0.0.1 10222         ]

 User-login:-
 Enter Username: admin
 Enter Password: 12345

 User Successfully Logged-in
 Greetings, Now Proceed to do as you may


 List of commands:
 1. USER
 2. PASS
 3. MKD
 4. RMD
 5. PWD
 6. CWD
 7. LIST
 8. RETR
 9. QUIT


 Enter command: ▮
```
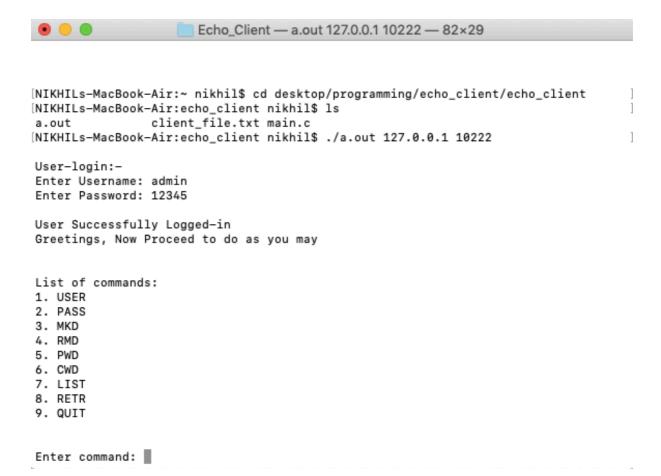
Then,

```
● ● ●                    Echo_Client — a.out 127.0.0.1 10222 — 123×29
5. PWD
6. CWD
7. LIST
8. RETR
9. QUIT


Enter command: user
admin


Enter command: pas
Invalid Input command........


Enter command: pass
12345


Enter command: list

a.out
main.c


Enter command: pwd
/Users/nikhil/Desktop/Programming/Echo_Server/Echo_Server
```

```
● ● ●                    Echo_Client — a.out 127.0.0.1 10222 — 123×29

Enter command: cwd /Users/nikhil/Desktop/Programming/
File Location "/users/nikhil/desktop/programming/" set as present working director (pwd)

Enter command: list

Caesar_Cipher
practiceProblem
Buffer_cache
DataStructures
Echo_Client
networking
myJSONstuff.js
GraphicsProject
Concurrency
HiThere
GLFW project
Hill_Cipher
testOpenGL
Echo_Server
GoForIT
SampleApp
socket


Enter command: ▌
```

```
●●●                Echo_Client — a.out 127.0.0.1 10222 — 123×29
SampleApp
socket


Enter command: cwd /Users/nikhil/Desktop/Programming/Echo_Server/Echo_Server
File Location "/users/nikhil/desktop/programming/echo_server/echo_server" set as present working director (pwd)


Enter command: list

a.out
main.c



Enter command: mkd my_folder
File "my_folder" created successfully....


Enter command: list

my_folder
a.out
main.c



Enter command:
```

```
●●●                Echo_Client — a.out 127.0.0.1 10222 — 123×29
a.out
main.c


Enter command: mkd my_folder
File "my_folder" created successfully....


Enter command: list

my_folder
a.out
main.c



Enter command: rmd my_folder
File "my_folder" removed successfully....


Enter command: list

a.out
main.c



Enter command:
```

```
Enter command: quit

Session Closed....
NIKHILs-MacBook-Air:echo_client nikhil$
```

Client:-

```
Enter command: retr client_file.txt

File Transfer of "client_file.txt" to the server successful.....


Enter command: █
```

Server:-

```
Received Information: retr client_file.txt

File Transfer of "client_file.txt" to the server successful.....
█
```