

Screenshots of the Wipro Project

```
abhi-2004@DELL: ~/file-share
abhi-2004@DELL:~/file-share-project$ cd ~/file-share-project
abhi-2004@DELL:~/file-share-project$ ls
client  client.c  server  server.c  test.txt
abhi-2004@DELL:~/file-share-project$ nano server.c
abhi-2004@DELL:~/file-share-project$ gcc server.c -o server
abhi-2004@DELL:~/file-share-project$ ./server
Bind failed: Address already in use
abhi-2004@DELL:~/file-share-project$ sudo lsof -i :8080
[sudo] password for abhi-2004:
COMMAND PID USER FD TYPE DEVICE SIZE/OFF NODE NAME
server 1535 abhi-2004 3u IPv4 8871 0t0 TCP *:http-alt (LISTEN)
server 1535 abhi-2004 4u IPv4 8872 0t0 TCP localhost:http-alt->localhost:54514 (ESTABLISHED)
client 1563 abhi-2004 3u IPv4 12859 0t0 TCP localhost:54514->localhost:http-alt (ESTABLISHED)
abhi-2004@DELL:~/file-share-project$ kill -9 1535 1563
abhi-2004@DELL:~/file-share-project$ sudo lsof -i :8080
abhi-2004@DELL:~/file-share-project$ ./server
Server Running on port 8080...
Client Connected.
Client: UPLOAD test.txt

Client: LIST

Client: DOWNLOAD test.txt
```

```
abhi-2004@DELL: ~/file-share
abhi-2004@DELL:~/file-share-project$ cd ~/file-share-project
abhi-2004@DELL:~/file-share-project$ ./client 127.0.0.1
Connected to 127.0.0.1:8080
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> UPLOAD test.txt
File uploaded successfully.
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> LIST
Server: READYUPLOAD OK
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> DOWNLOAD test.txt
Server: Hello Wipro
OK
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> |
```

```
abhi-2004@DELL: ~/file-share x + v
abhi-2004@DELL:~$ cd ~/file-share-project
abhi-2004@DELL:~/file-share-project$ ./client 127.0.0.1
Connected to 127.0.0.1:8080
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> UPLOAD test.txt
Server: INVALID COMMAND
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> UPLOAD test.txt
File uploaded successfully.
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> LIST
Server: READYUPLOAD OK
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> Killed
abhi-2004@DELL:~/file-share-project$ |
```

```
abhi-2004@DELL: ~/file-share x + v
abhi-2004@DELL:~$ cd ~/file-share-project
abhi-2004@DELL:~/file-share-project$ ls
client client.c server server.c test.txt
abhi-2004@DELL:~/file-share-project$ nano server.c
abhi-2004@DELL:~/file-share-project$ ls
client client.c server server.c test.txt
abhi-2004@DELL:~/file-share-project$ gcc server.c -o server
abhi-2004@DELL:~/file-share-project$ ./server
Bind failed: Address already in use
abhi-2004@DELL:~/file-share-project$ gcc server.c -o server
abhi-2004@DELL:~/file-share-project$ ./server
Bind failed: Address already in use
abhi-2004@DELL:~/file-share-project$ sudo lsof -i :8080
[sudo] password for abhi-2004:
COMMAND PID USER FD TYPE DEVICE SIZE/OFF NODE NAME
client 1185 abhi-2004 3u IPv4 8060 0t0 TCP localhost:57690->localhost:http-alt (CLOSE_WAIT)
abhi-2004@DELL:~/file-share-project$ kill -9 1185
abhi-2004@DELL:~/file-share-project$ sudo lsof -i :8080
abhi-2004@DELL:~/file-share-project$ ./server
Server Running on port 8080...
Client Connected.
Client: > UPLOAD test.txt

Client: UPLOAD test.txt

Client: LIST

Killed
abhi-2004@DELL:~/file-share-project$ |
```

```
abhi-2004@DELL: ~/file-share x + v
abhi-2004@DELL:~$ cd file-share-project
abhi-2004@DELL:~/file-share-project$ nano client.c
abhi-2004@DELL:~/file-share-project$ ls
client.c server.c
abhi-2004@DELL:~/file-share-project$ gcc client.c -o client
abhi-2004@DELL:~/file-share-project$ ./client 127.0.0.1
Connected to 127.0.0.1:8080
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> UPLOAD test.txt
File uploaded successfully.
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> LIST
Server: READYUPLOAD OK
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> DOWNLOAD test.txt
Server: Hello Wipro
OK
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> Killed
abhi-2004@DELL:~/file-share-project$ |
```

```
abhi-2004@DELL: ~/file-share X + v
abhi-2004@DELL:~$ cd file-share-project
abhi-2004@DELL:~/file-share-project$ nano client.c
abhi-2004@DELL:~/file-share-project$ ls
client.c  server.c
abhi-2004@DELL:~/file-share-project$ gcc client.c -o client
abhi-2004@DELL:~/file-share-project$ ./client 127.0.0.1
Connected to 127.0.0.1:8080
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> UPLOAD test.txt
File uploaded successfully.
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> LIST
Server: READY
Upload OK
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> DOWNLOAD test.txt
Server: Hello Wipro
OK
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> Killed
abhi-2004@DELL:~/file-share-project$ |
```

```
abhi-2004@DELL: ~/file-share X + v
abhi-2004@DELL:~$ cd ~/file-share-project
abhi-2004@DELL:~/file-share-project$ ls
client  client.c  server  server.c
abhi-2004@DELL:~/file-share-project$ echo "Hello Wipro" > test.txt
abhi-2004@DELL:~/file-share-project$ |
```

```
abhi-2004@DELL: ~/file-share
abhi-2004@DELL:~$ pwd
/home/abhi-2004
abhi-2004@DELL:~$ ls
ProjectFolder copy.txt file1.txt greet.tx greet.txt testdir
abhi-2004@DELL:~$ mkdir file-share-project
abhi-2004@DELL:~$ ls
ProjectFolder copy.txt file-share-project file1.txt greet.tx greet.txt testdir
abhi-2004@DELL:~$ cd file-share-project
abhi-2004@DELL:~/file-share-project$ nano server.c
abhi-2004@DELL:~/file-share-project$ ls
server.c
abhi-2004@DELL:~/file-share-project$ gcc server.c -o server
abhi-2004@DELL:~/file-share-project$ ./server
Server running on port 8080
Client connected
UPLOAD test.txt

LIST

DOWNLOAD test.txt

^C
abhi-2004@DELL:~/file-share-project$ |
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```
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abhi-2004@DELL:~/file-share-project$ kill -9 1185
abhi-2004@DELL:~/file-share-project$ sudo lsof -i :8080
abhi-2004@DELL:~/file-share-project$ ./server
Server Running on port 8080...
Client Connected.
Client: > UPLOAD test.txt

Client: UPLOAD test.txt

Client: LIST

Killed
abhi-2004@DELL:~/file-share-project$ |
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Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> > UPLOAD test.txt
Server: INVALID COMMAND
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> UPLOAD test.txt
File uploaded successfully.
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
> LIST
Server: READYUPLOAD OKD
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
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Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
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Server: READYUPLOAD OK
Enter command (UPLOAD <file>, DOWNLOAD <file>, LIST, EXIT):
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Server: Hello Wipro
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abhi-2004@DELL:~$ cd ~/file-share-project
abhi-2004@DELL:~/file-share-project$ nano server.c
abhi-2004@DELL:~/file-share-project$ ls
client client.c server server.c server.c.save test.txt
abhi-2004@DELL:~/file-share-project$ gcc server.c -o server
abhi-2004@DELL:~/file-share-project$ ./server
Bind failed: Address already in use
abhi-2004@DELL:~/file-share-project$ ./server
Server Running on port 8080...
Client Connected.
Client: UPLOAD test.txt
Client: LIST
Client: DOWNLOAD test.txt
Client: Hello Wipro
Client disconnected.
Killed
abhi-2004@DELL:~/file-share-project$ ./server
Server Running on port 8080...
Client Connected.
Killed
abhi-2004@DELL:~/file-share-project$ |
```