

LAB-5

Jashanpreet Singh
2018A7PS0134G

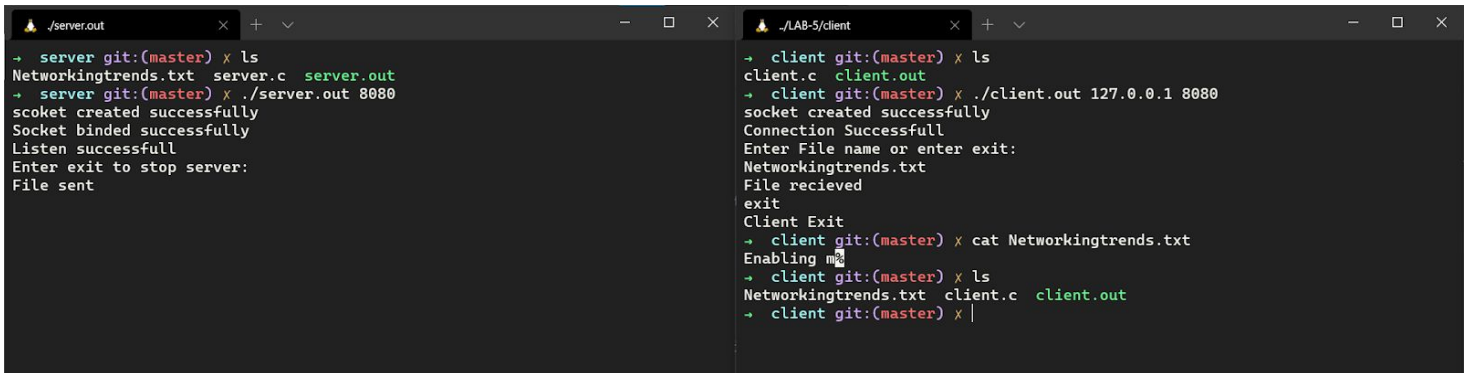
1) Server accepts port number as input parameter.

```
→ server git:(master) x gcc -o server.out server.c
→ server git:(master) x ./server.out 8080
socket created successfully
Socket binded successfully
Listen successfull
Enter exit to stop server:
```

2) Client accepts server address, server port and File-name.

```
→ client git:(master) X gcc -o client.out client.c
→ client git:(master) X ./client.out 127.0.0.1 8080
socket created successfully
Connection Successfull
Enter File name or enter exit:
|
```

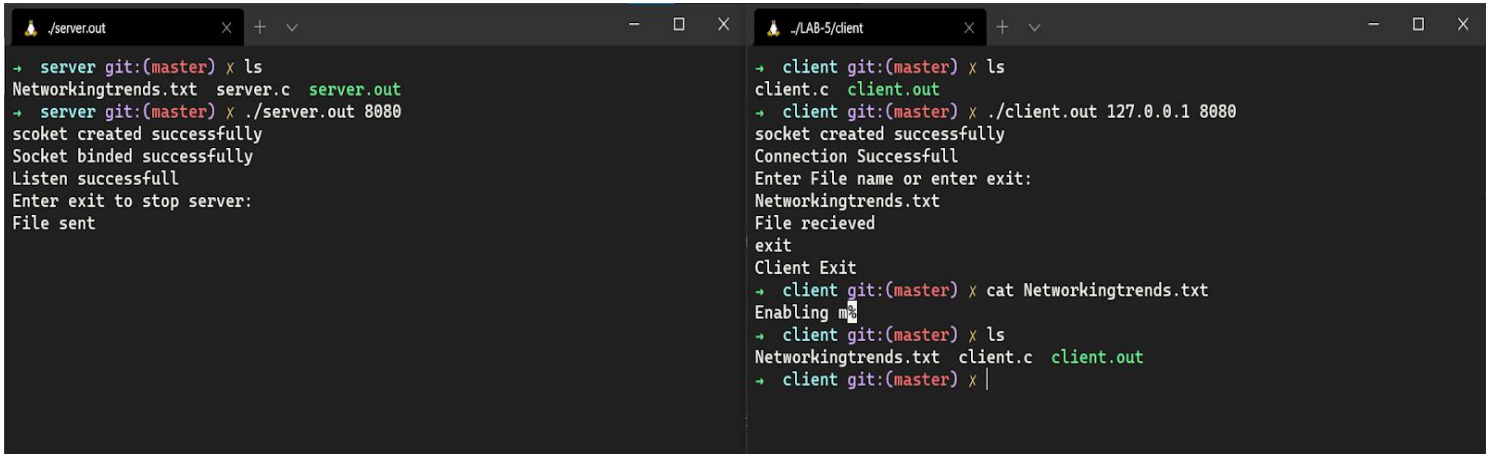
3) Server sends requested file



```
→ server git:(master) x ls
Networkingtrends.txt server.c server.out
→ server git:(master) x ./server.out 8080
socket created successfully
Socket binded successfully
Listen successfull
Enter exit to stop server:
File sent

→ client git:(master) x ls
client.c client.out
→ client git:(master) x ./client.out 127.0.0.1 8080
socket created successfully
Connection Successfull
Enter File name or enter exit:
Networkingtrends.txt
File recieved
exit
Client Exit
→ client git:(master) x cat Networkingtrends.txt
Enabling m
→ client git:(master) x ls
Networkingtrends.txt client.c client.out
→ client git:(master) x |
```

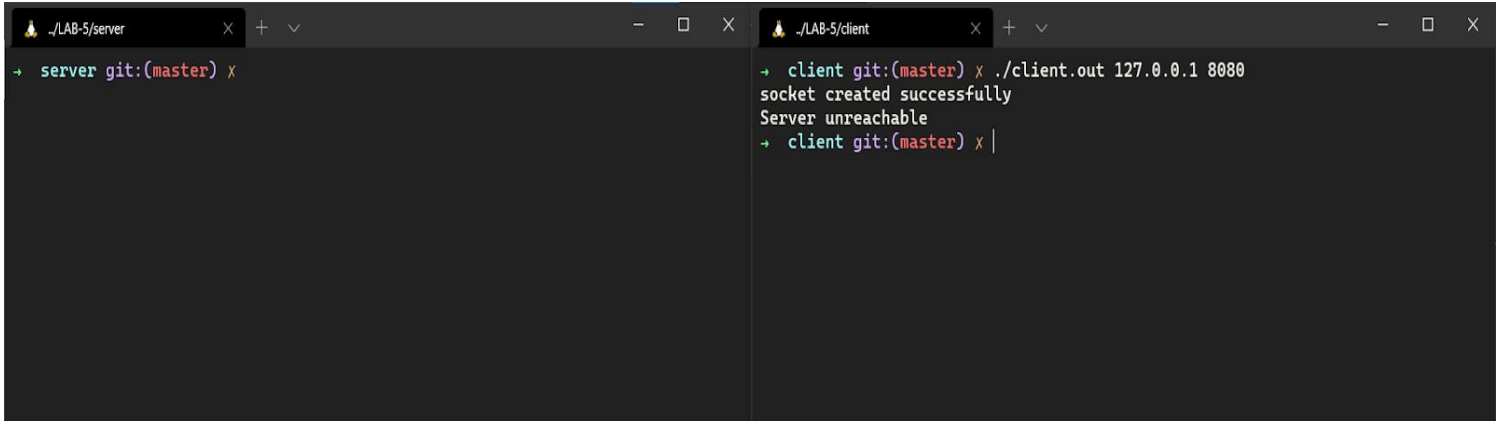
4) Client receives 10 bytes of data(here % is the null character)



```
→ server git:(master) X ls
Networkingtrends.txt server.c server.out
→ server git:(master) X ./server.out 8080
socket created successfully
Socket binded successfully
Listen successfull
Enter exit to stop server:
File sent

→ client git:(master) X ls
client.c client.out
→ client git:(master) X ./client.out 127.0.0.1 8080
socket created successfully
Connection Successfull
Enter File name or enter exit:
Networkingtrends.txt
File recieved
exit
Client Exit
→ client git:(master) X cat Networkingtrends.txt
Enabling m
→ client git:(master) X ls
Networkingtrends.txt client.c client.out
→ client git:(master) X |
```

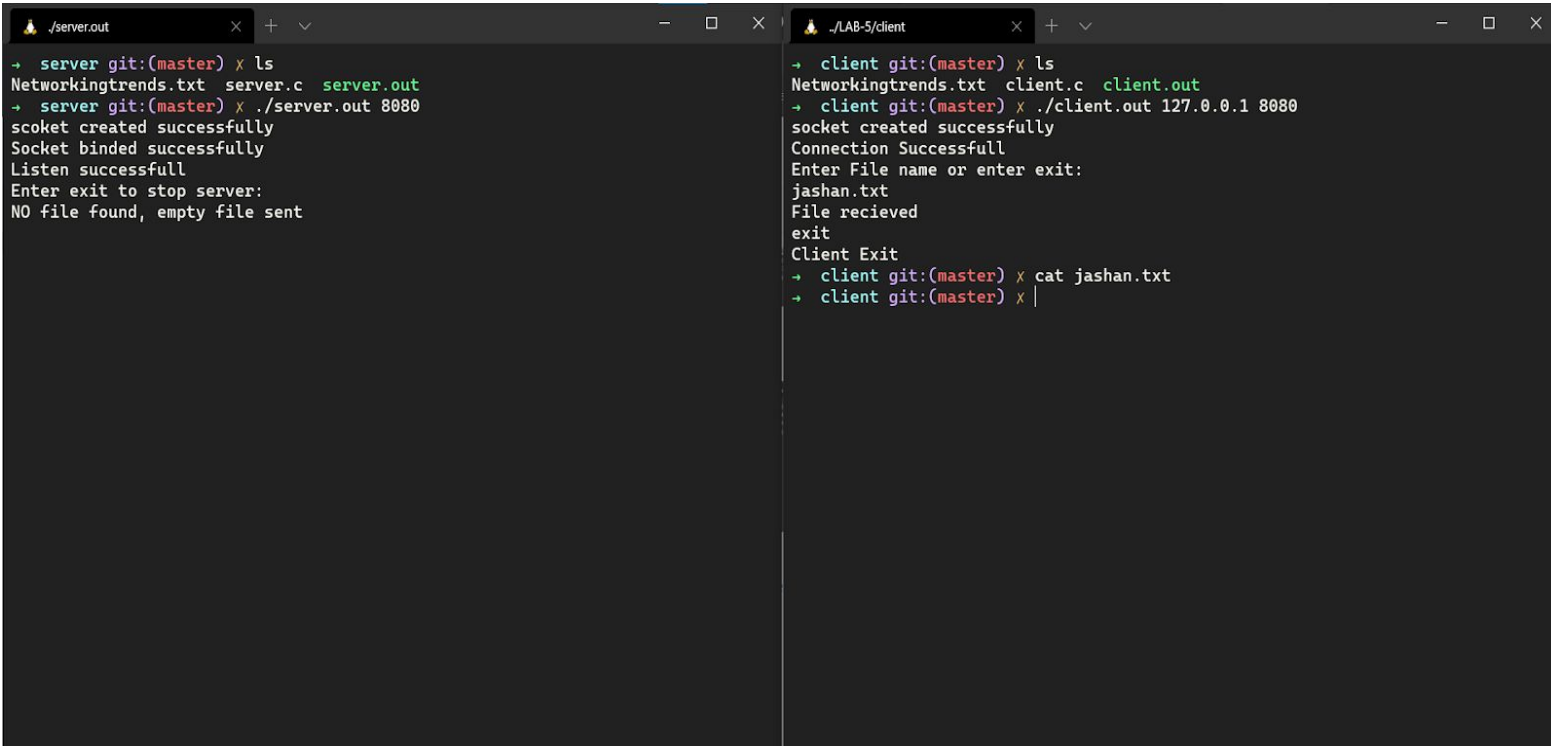
5) Client shows server unreachable



```
./LAB-5/server x
→ server git:(master) x

./LAB-5/client x
→ client git:(master) x ./client.out 127.0.0.1 8080
socket created successfully
Server unreachable
→ client git:(master) x |
```

6) Server sends empty file when file not found



```
→ server git:(master) x ls
Networkingtrends.txt server.c server.out
→ server git:(master) x ./server.out 8080
socket created successfully
Socket binded successfully
Listen successfull
Enter exit to stop server:
NO file found, empty file sent

→ client git:(master) x ls
Networkingtrends.txt client.c client.out
→ client git:(master) x ./client.out 127.0.0.1 8080
socket created successfully
Connection Successfull
Enter File name or enter exit:
jashan.txt
File recieved
exit
Client Exit
→ client git:(master) x cat jashan.txt
→ client git:(master) x |
```