

LAB-6

1) Server and client started using command line arguments

```
+ LAB6 gcc -o server.out server.c
+ LAB6 ./server.out 8080
Socket created successfully
Socket successfully binded..
Server listening..

+ LAB6 gcc -o client.out client.c
+ LAB6 ./client.out 127.0.0.1 8080
Socket successfully created..
Connection Succesfull

+ ~
+ ~

+ ~
+ ~

[2] 0:client.out* "192.168.1.4" 18:29 22-Mar-21
```

2) Client send data

```
+ LAB6 gcc -o server.out server.c
+ LAB6 ./server.out 8080
Socket created successfully
Socket successfully binded..
Server listening..

revres ot atad
data to client

+ LAB6 gcc -o client.out client.c
+ LAB6 ./client.out 127.0.0.1 8080
Socket successfully created..
Connection Succesfull
data to server

tneilc ot atad

+ LAB6 gcc -o server.out server.c
+ LAB6 ./server.out 8080
Socket created successfully
Socket successfully binded..
Server listening..

revres ot atad
data to client

+ LAB6 gcc -o client.out client.c
+ LAB6 ./client.out 127.0.0.1 8080
Socket successfully created..
Connection Succesfull
data to server

tneilc ot atad
```

[2] 0:server.out* "192.168.1.4" 18:30 22-Mar-21

3) Server send data

```
→ LAB6 gcc -o server.out server.c
→ LAB6 ./server.out 8080
Socket created successfully
Socket successfully binded..
Server listening..

revres ot atad
data to client

revres ot atad erom
more data to client

→ ~

→ ~

→ ~

[2] 0:server.out* "192.168.1.4" 18:31 22-Mar-21
```

4) “exit” command used to exit the client without affecting the server.

```
→ LAB6 gcc -o server.out server.c
→ LAB6 ./server.out 8080
Socket created successfully
Socket successfully binded..
Server listening..

revres ot atad
data to client

revres ot atad erom
more data to client
Client exited!

→ LAB6 gcc -o client.out client.c
→ LAB6 ./client.out 127.0.0.1 8080
Socket successfully created..
Connection Succesfull
data to server

tneilc ot atad
more data to server

tneilc ot atad erom
exit
→ LAB6
```

[2] 0:client.out* "192.168.1.4" 18:31 22-Mar-21

5)4 clients connected and 5 client is not connected.

Socket created successfully Socket successfully binded.. Server listening.. revres ot atad data to client revres ot atad erom more data to client Client exited! lclient1 client1 client3 client4	→ LAB6 ./client.out 127.0.0.1 8080 Socket successfully created.. Connection Succesfull ltnetcl
→ LAB6 ./client.out 127.0.0.1 8080 Socket successfully created.. Connection Succesfull 3tnetlc	→ LAB6 ./client.out 127.0.0.1 8080 Socket successfully created.. Connection Succesfull ltnetcl
→ LAB6 ./client.out 127.0.0.1 8080 Socket successfully created.. Connection Succesfull 4tnetlc	→ LAB6 ./client.out 127.0.0.1 8080 Socket successfully created.. No more slots → LAB6

[2] 0:zsh* "192.168.1.4" 18:34 22-Mar-21

6) Another client can connect if one out of the 4 clients exits.

Server listening.. revres ot atad data to client revres ot atad erom more data to client Client exited! lcient1 client1 client3 client4 to1 Client exited!	→ LAB6 ./client.out 127.0.0.1 8080 Socket successfully created.. Connection Succesfull 1tneic1 1ot exit → LAB6
→ LAB6 ./client.out 127.0.0.1 8080 Socket successfully created.. Connection Succesfull 3tneilc	→ LAB6 ./client.out 127.0.0.1 8080 Socket successfully created.. Connection Succesfull 1tneilc
→ LAB6 ./client.out 127.0.0.1 8080 Socket successfully created.. Connection Succesfull 4tneilc	→ LAB6 ./client.out 127.0.0.1 8080 Socket successfully created.. No more slots → LAB6 ./client.out 127.0.0.1 8080 Socket successfully created.. Connection Succesfull █

[2] 0:client.out* "192.168.1.4" 18:37 22-Mar-21