

HOW TO EXECUTE:

1. Open 1 st Terminal and execute Server file:

```
$ gcc server.c -o server
```

```
$ ./server
```

```
10-18-134-74:assignment3 rakshitsareen$ gcc -o server server.c
10-18-134-74:assignment3 rakshitsareen$ gcc -o client client.c
client.c:58:28: warning: 'memset' call operates on objects of type 'char' while the size is based on a different type 'char *' [-Wsizeof-pointer-memaccess]
    memset(buffer, 0, sizeof buffer );
                           ^
client.c:58:28: note: did you mean to provide an explicit length?
    memset(buffer, 0, sizeof buffer );
                           ^
1 warning generated.
10-18-134-74:assignment3 rakshitsareen$ ./server
server: waiting for connections
server: got connection from 192.168.1.159
server: string received Hello C00L guy 19

server: string received This works C00LY1723

The user has given exit command, closing the server: Bad file descriptor
10-18-134-74:assignment3 rakshitsareen$ _
```

2. Open 2nd Terminal and execute Client file:

```
$ gcc client.c -o client
```

```
$ ./client [IP_ADDRESS] 4444
```

Do not forget to enter port 4444. Now enter input with secret code 'C00L'

```
Rakshits-MBP:assignment3 rakshitsareen$ ipconfig getifaddr en0
192.168.1.159
Rakshits-MBP:assignment3 rakshitsareen$ ./client 192.168.1.159 8080
Cannot Connect to server: Connection refused
Rakshits-MBP:assignment3 rakshitsareen$ ./client 192.168.1.159 8888
Cannot Connect to server: Connection refused
Rakshits-MBP:assignment3 rakshitsareen$ ./client 192.168.1.159 4444
Connection successful
To disconnect from the server and close the connection, Type EXIT
Enter an alpha numeric along with the secret code: Hello C00L guy 19
Enter an alpha numeric along with the secret code: This works C00LY1723
Enter an alpha numeric along with the secret code: EXIT
The user has given exit command, closing server and client
Rakshits-MBP:assignment3 rakshitsareen$ _
```