

# Midsem Lab

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## Usage Instructions

### Terminal 1 (Server)

1. Compile the c program

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

2. Execute the executable.

```
$ ./server 8000
```

3. Enter the response message to send to the client when asked.
4. Press **Ctrl+C** to exit

### Terminal 2 (Client)

1. Compile the c program

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

2. Execute the executable.

```
$ ./client 127.0.0.1 8000
```

3. Enter the message to send to the server when asked.

## Wireshark

1. Open the **capture.pcapng** file
2. Set the column preferences as described in the file **2018A7PS0396G.pdf**
3. Apply the filter to see size of the TCP segment sent from the client to the server

```
ip.addr == 127.0.0.1 and tcp.dstport == 8000 and tcp.len>0
```