ECEN 602

Assignment 1 Test Cases

Parsa Dastjerdi parsadastjerdi@tamu.edu

Yash Doshi yjdoshi@tamu.edu

1. Line of text terminated by a newline

```
yash2410@yash2410-Vostro-14-3468:~/Projects/ECEN602/1$ ./echos 8080

[*] INITIATE SERVER AT 127.0.0.1 PORT 8080

[*] SOCKET SUCCESSFUL

[*] SETSOCKOPT SUCCESSFUL

[*] BIND SUCCESSFUL

[*] LISTENING SUCCESSFUL

[*] CONNECTION ACCEPTED

[*] CONNECTION ACCEPTED

[*] MSG RECIEVED: Hello

[*] MSG RECIEVED: Hello

[*] CONNECTION TO SERVER CLOSED

[*] WSG SENT: Hello

[*] WSG SENT: Hello

[*] Yash2410@yash2410-Vostro-14-3468:~/Projects/ECEN602/1$ ./echo 127.0.0.1 8080

[*] ECHO 127.0.0.1

[*] SOCKET CREATED

[*] CONNECTED TO SERVER

[*] CONNECTED TO SERVER

[*] MSG SENT: Hello

[*] MSG RECIEVED: Hello

[*] MSG RECIEVED: Hello

[*] CONNECTION TO SERVER CLOSED

[*] Yash2410@yash2410-Vostro-14-3468:~/Projects/ECEN602/1$
```

Text terminated by a newline

2. Line of text the maximum line length without a newline

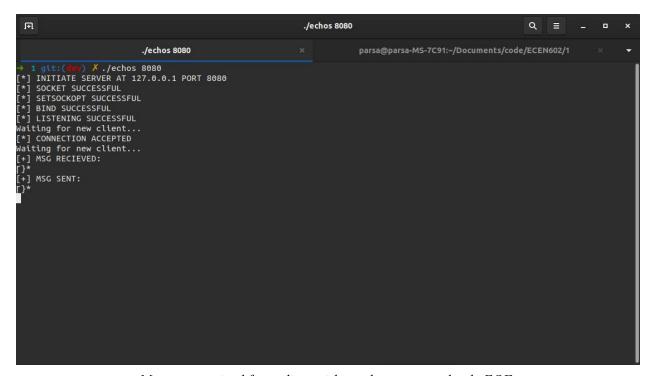
```
yash2410@yash2410-Vostro-14-3468:~/Projects/ECEN602/1$ ./echos 8080
[*] INITIATE SERVER AT 127.0.0.1 PORT 8080
[*] SOCKET SUCCESSFUL
[*] SIND SUCCESSFUL
[*] LISTENING SUCCESSFUL
[*] LISTENING SUCCESSFUL
[*] CONNECTION ACCEPTED
[*] CONNECTION ACCEPTED
[*] MSG RECIEVED: Hellowor
[*] MSG SENT: Hellowor
[*] MSG SENT: Hellowor
[*] MSG SENT: Hellowor
```

Maximum character length passed without a newline

3. Line with no characters and EOF



Message sent from client with no characters and only EOF



Message received from client with no characters and only EOF

4. Client terminated after entering text

```
yash2410@yash2410-Vostro-14-3468:-/Projects/ECEN602/1$ ./echos 8080

[*] INITIATE SERVER AT 127.0.0.1 PORT 8080

[*] SOCKET SUCCESSFUL

[*] SETSOCKOPT SUCCESSFUL

[*] BIND SUCCESSFUL

[*] LISTENING SUCCESSFUL

[*] CONNECTION ACCEPTED

[*] CONNECTION ACCEPTED

[*] MSG RECIEVED: Hello

[*] MSG RECIEVED: Hello

[*] MSG SENT: Hello

[*] MSG SENT: Hello

[*] Wyash2410@yash2410-Vostro-14-3468:-/Projects/ECEN602/1$ ./echo 127.0.0.1 8080

[*] ECHO 127.0.0.1

[*] SOCKET CREATED

[*] CONNECTED TO SERVER

[*] CONNECTION ACCEPTED

[*] MSG SENT: Hello

[*] MSG SENT: Hello

[*] MSG RECIEVED: Hello

[*] Wyash2410@yash2410-Vostro-14-3468:-/Projects/ECEN602/1$ ./echo 127.0.0.1 8080

[*] CONNECTED TO SERVER

[*] CONNECTED TO SERVER

[*] CONNECTED TO SERVER

[*] CONNECTED TO SERVER

[*] WSG SENT: Hello

[*] WSG SENT: Hello

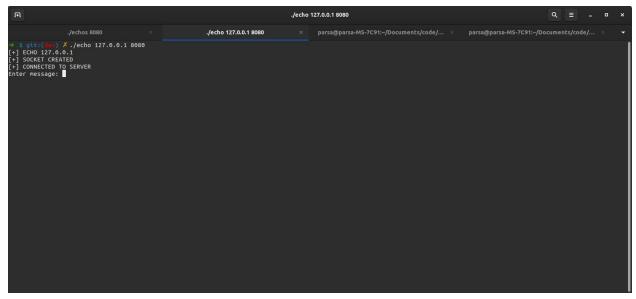
[*] WSG SENT: Hello
```

Client terminated upon echoing the text

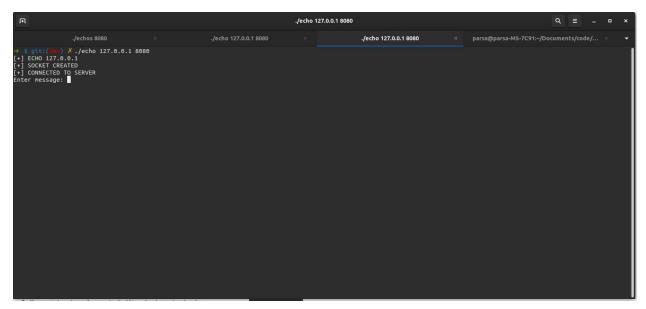
1. Three clients connected to the server



Starting the server



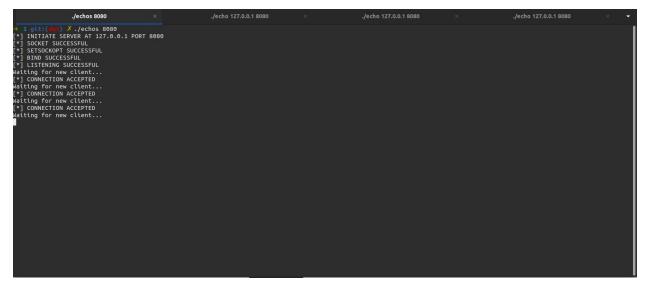
Starting the first client



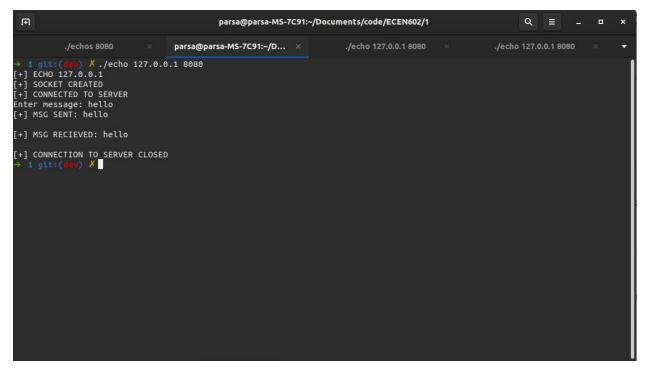
Starting the second client



Starting the third client



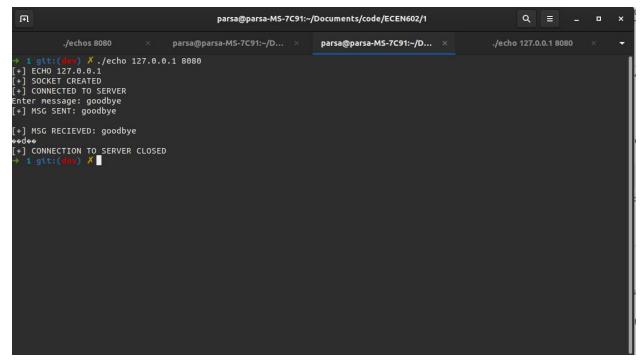
The server's output after the three clients have joined



Sending a message from the first client to the server



Output of the server from the first client's message



Sending a message from the second client to the server



Output of the server from the second client's message

Sending a message from the third client to the server



Output of the server from the third client's message