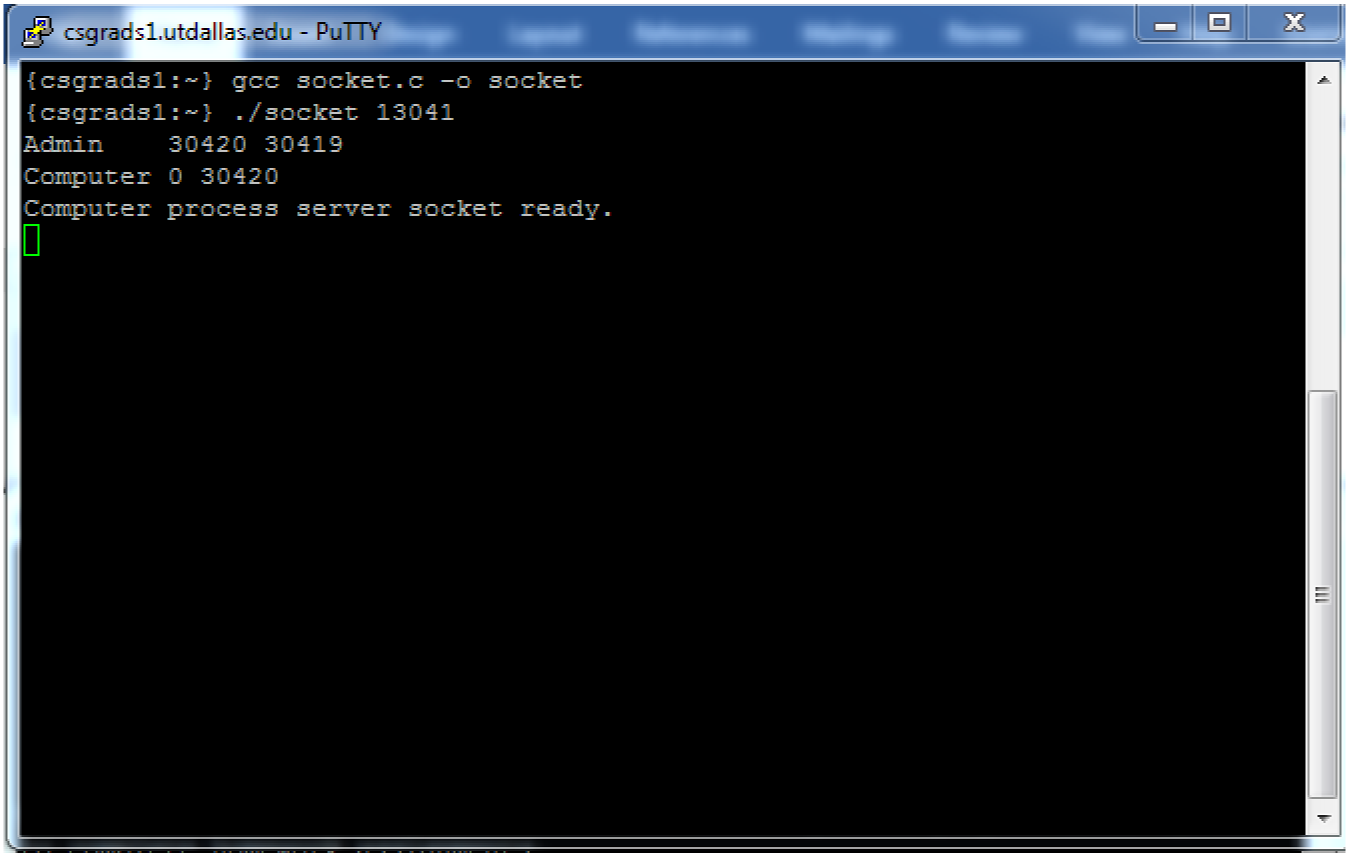
<u>Note:</u> The socket takes 3 client connections. All 3 clients must be put in order.

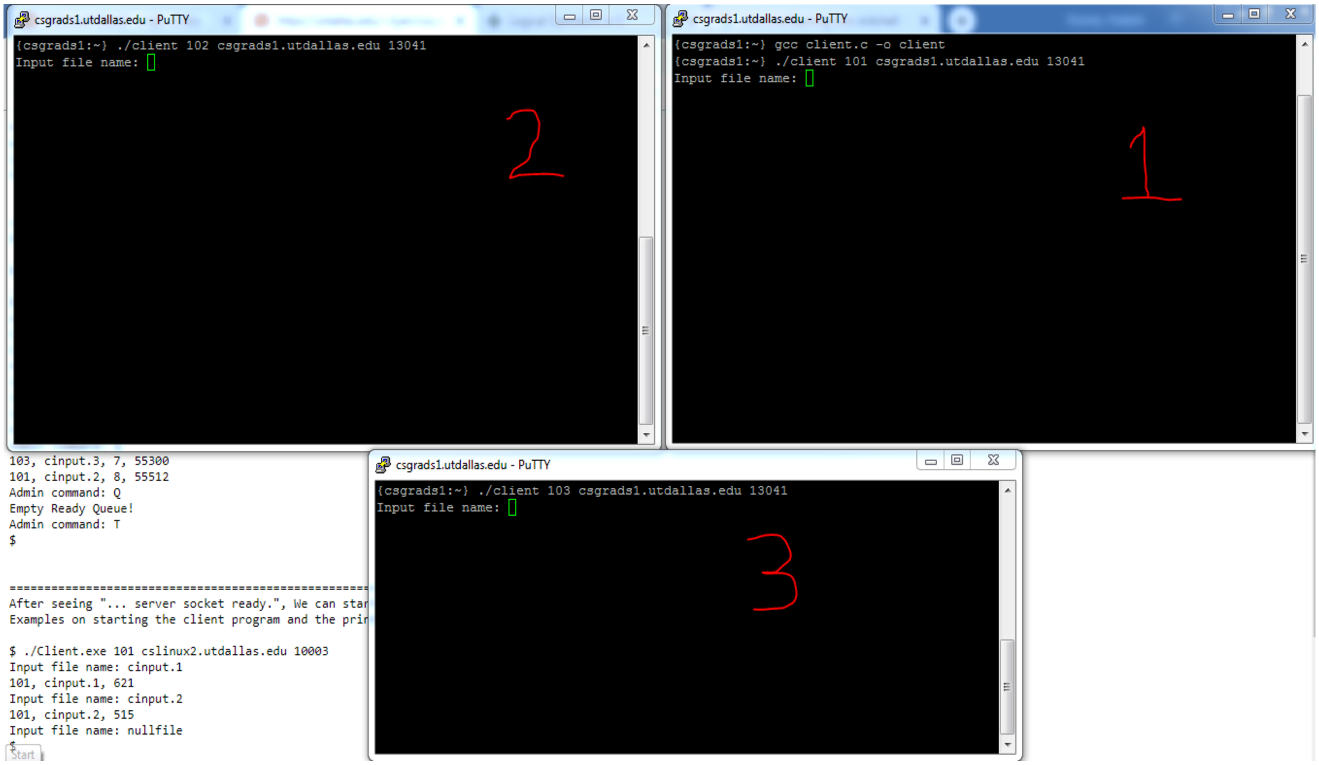
Please follow the instructions:

a. Initialize socket.



```
{csgrads1:~} gcc socket.c -o socket
{csgrads1:~} ./socket 13041
Admin    30420 30419
Computer 0 30420
Computer process server socket ready.
```

b. Initialize first, then second and then third client. Use same client file to execute 3 times.


csgrads1.utdallas.edu - PuTTY
2
csgrads1.utdallas.edu - PuTTY
1
csgrads1.utdallas.edu - PuTTY
3
Start

```
{csgrads1:~} ./client 102 csgrads1.utdallas.edu 13041
Input file name: 
```

```
{csgrads1:~} gcc client.c -o client
{csgrads1:~} ./client 101 csgrads1.utdallas.edu 13041
Input file name: 
```

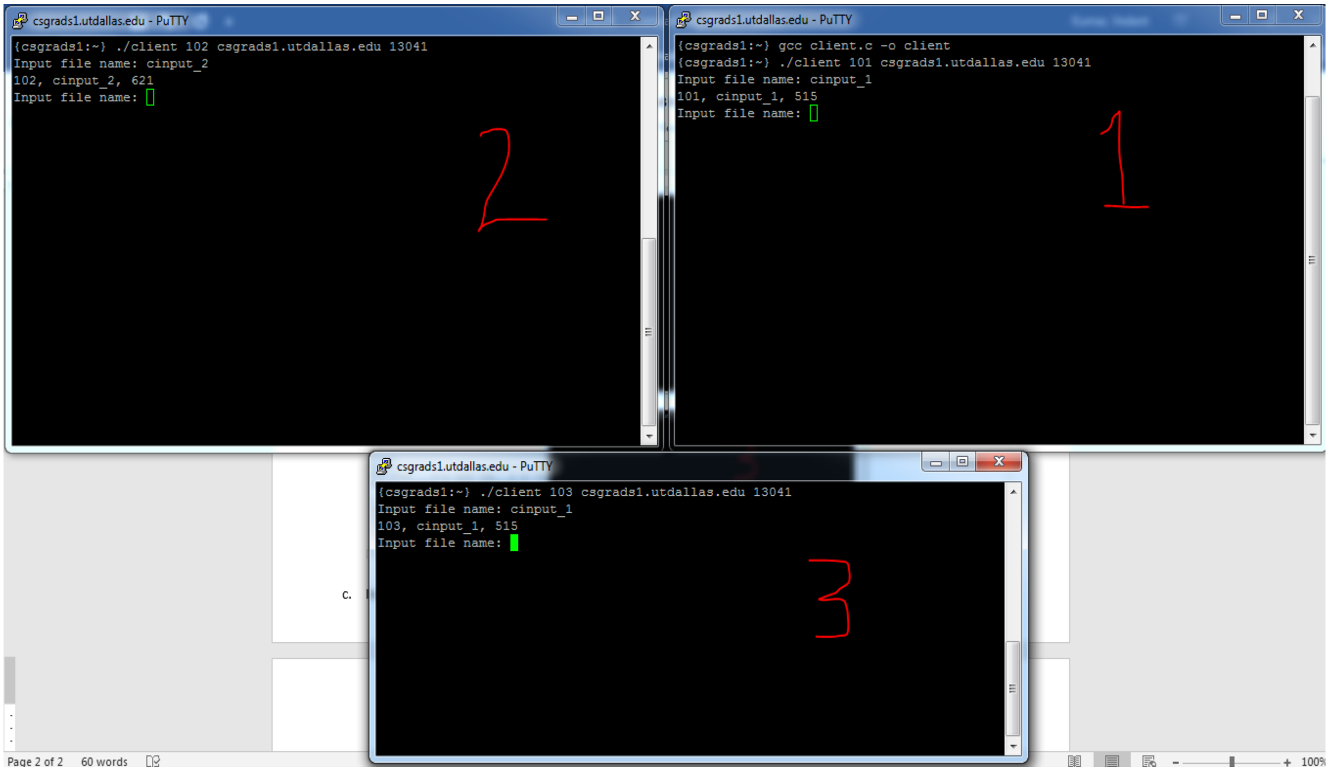
```
103, cinput.3, 7, 55300
101, cinput.2, 8, 55512
Admin command: Q
Empty Ready Queue!
Admin command: T
$


=================================================
After seeing "... server socket ready.", We can star
Examples on starting the client program and the prir

$ ./Client.exe 101 cslinux2.utdallas.edu 10003
Input file name: cinput.1
101, cinput.1, 621
Input file name: cinput.2
101, cinput.2, 515
Input file name: nullfile
$
```

```
{csgrads1:~} ./client 103 csgrads1.utdallas.edu 13041
Input file name: 
```

c. Input the values in the same order i.e. first for client1, then for second client and finally for third client.



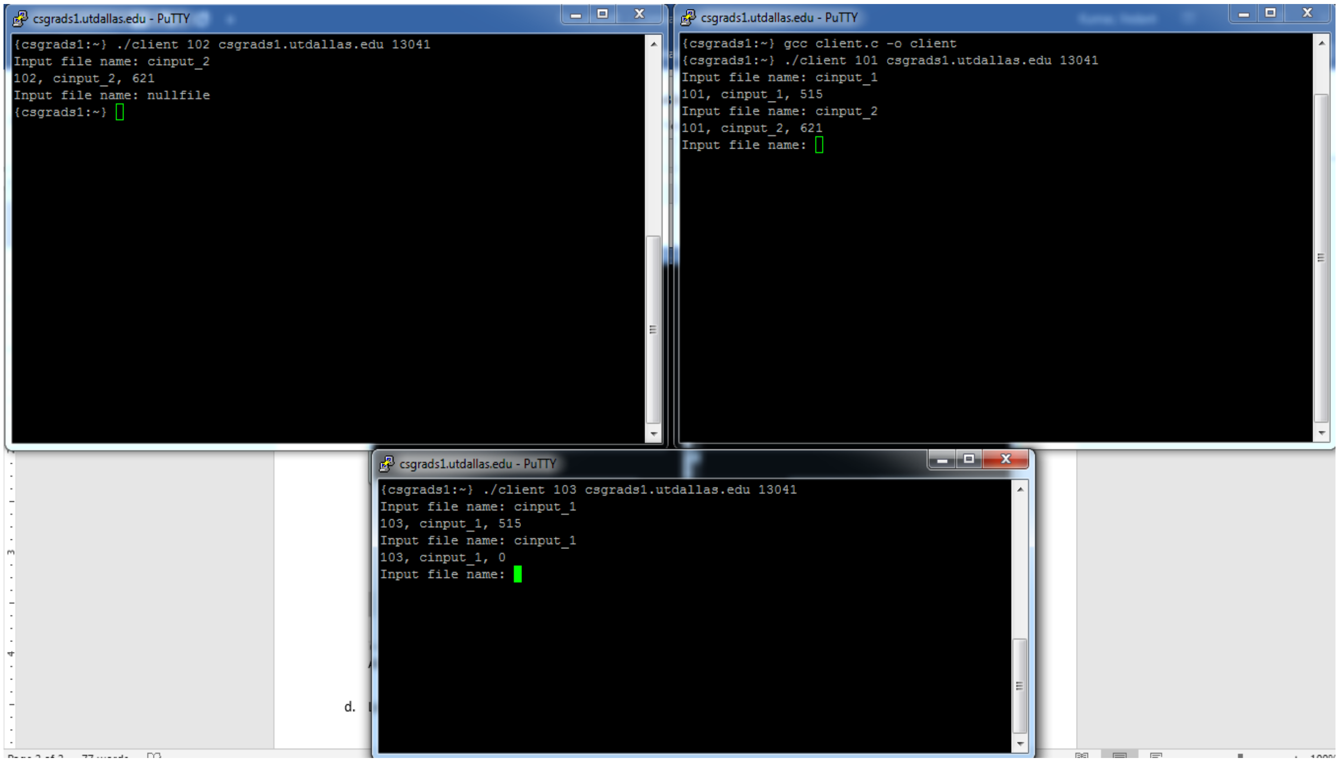
```
{csgrads1:~} ./client 102 csgrads1.utdallas.edu 13041
Input file name: cinput_2
102, cinput_2, 621
Input file name: 
```

```
{csgrads1:~} gcc client.c -o client
{csgrads1:~} ./client 101 csgrads1.utdallas.edu 13041
Input file name: cinput_1
101, cinput_1, 515
Input file name: 
```

```
{csgrads1:~} ./client 103 csgrads1.utdallas.edu 13041
Input file name: cinput_1
103, cinput_1, 515
Input file name: 
```

All the results are replied by socket to the requested client.

d. Let’s disconnect second client 102. For this first give input for first client 101, then second client 102 and then third client 103.



```
{csgrads1:~} ./client 102 csgrads1.utdallas.edu 13041
Input file name: cinput_2
102, cinput_2, 621
Input file name: nullfile
{csgrads1:~} 
```

```
{csgrads1:~} gcc client.c -o client
{csgrads1:~} ./client 101 csgrads1.utdallas.edu 13041
Input file name: cinput_1
101, cinput_1, 515
Input file name: cinput_2
101, cinput_2, 621
Input file name: 
```

```
{csgrads1:~} ./client 103 csgrads1.utdallas.edu 13041
Input file name: cinput_1
103, cinput_1, 515
Input file name: cinput_1
103, cinput_1, 0
Input file name: 
```

The second client connection is closed while other client connections are still active.