NAMES: Larry Chiem, Ian Rowe, Raymond Shum, Nicholas Stankovich
DUE DATE: June 8, 2021
ASSIGNMENT: Team Programming Assignment #3
DESCRIPTION: Screenshots for PA#3

Group #2: PA 3 – TCP Client-Server

Case 0: Each Client Connects to Server Separately

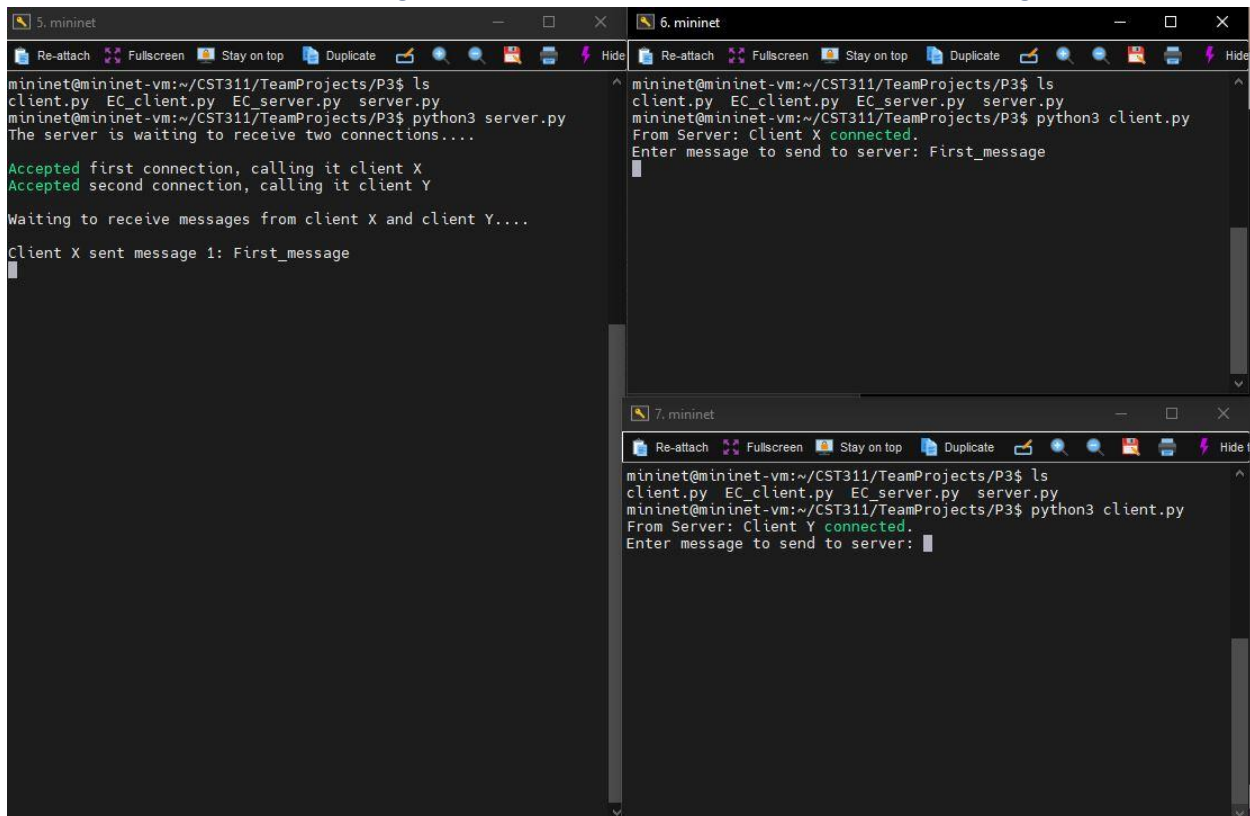Case 1: Client X sends a message to the server first then Client Y sends a message to the server.


```
5. mininet
mininet@mininet-vm:~/CST311/TeamProjects/P3$ ls
client.py  EC_client.py  EC_server.py  server.py
mininet@mininet-vm:~/CST311/TeamProjects/P3$ python3 server.py
The server is waiting to receive two connections....

Accepted first connection, calling it client X
Accepted second connection, calling it client Y

Waiting to receive messages from client X and client Y....

Client X sent message 1: First_message
```

```
6. mininet
mininet@mininet-vm:~/CST311/TeamProjects/P3$ ls
client.py  EC_client.py  EC_server.py  server.py
mininet@mininet-vm:~/CST311/TeamProjects/P3$ python3 client.py
From Server: Client X connected.
Enter message to send to server: First_message
```

```
7. mininet
mininet@mininet-vm:~/CST311/TeamProjects/P3$ ls
client.py  EC_client.py  EC_server.py  server.py
mininet@mininet-vm:~/CST311/TeamProjects/P3$ python3 client.py
From Server: Client Y connected.
Enter message to send to server:
```

```
5. mininet
mininet@mininet-vm:~/CST311/TeamProjects/P3$ ls
client.py  EC_client.py  EC_server.py  server.py
mininet@mininet-vm:~/CST311/TeamProjects/P3$ python3 server.py
The server is waiting to receive two connections....

Accepted first connection, calling it client X
Accepted second connection, calling it client Y

Waiting to receive messages from client X and client Y....

Client X sent message 1: First_message
Client Y sent message 2: Second_message

Waiting a bit for clients to close their connections
Done.
mininet@mininet-vm:~/CST311/TeamProjects/P3$
```
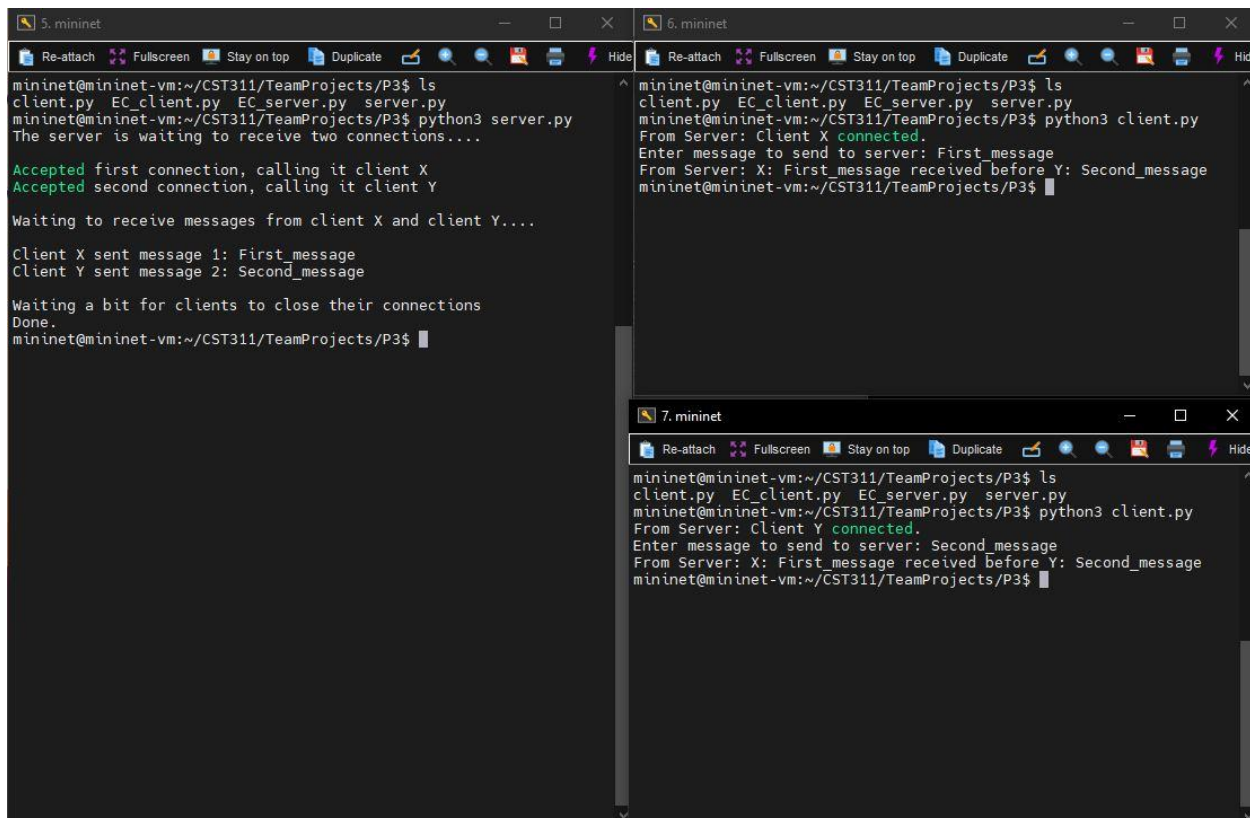
```
6. mininet
mininet@mininet-vm:~/CST311/TeamProjects/P3$ ls
client.py  EC_client.py  EC_server.py  server.py
mininet@mininet-vm:~/CST311/TeamProjects/P3$ python3 client.py
From Server: Client X connected.
Enter message to send to server: First_message
From Server: X: First_message received before Y: Second_message
mininet@mininet-vm:~/CST311/TeamProjects/P3$
```

```
7. mininet
mininet@mininet-vm:~/CST311/TeamProjects/P3$ ls
client.py  EC_client.py  EC_server.py  server.py
mininet@mininet-vm:~/CST311/TeamProjects/P3$ python3 client.py
From Server: Client Y connected.
Enter message to send to server: Second_message
From Server: X: First_message received before Y: Second_message
mininet@mininet-vm:~/CST311/TeamProjects/P3$
```

Case 2: Client Y sends a message to the server first then Client X sends a message to the server.

5. mininet

```
mininet@mininet-vm:~/CST311/TeamProjects/P3$ ls
client.py  EC_client.py  EC_server.py  server.py
mininet@mininet-vm:~/CST311/TeamProjects/P3$ python3 server.py
The server is waiting to receive two connections....

Accepted first connection, calling it client X
Accepted second connection, calling it client Y

Waiting to receive messages from client X and client Y....

Client Y sent message 1: First_message
```

6. mininet

```
mininet@mininet-vm:~/CST311/TeamProjects/P3$ ls
client.py  EC_client.py  EC_server.py  server.py
mininet@mininet-vm:~/CST311/TeamProjects/P3$ python3 client.py
From Server: Client X connected.
Enter message to send to server:
```

7. mininet

```
mininet@mininet-vm:~/CST311/TeamProjects/P3$ ls
client.py  EC_client.py  EC_server.py  server.py
mininet@mininet-vm:~/CST311/TeamProjects/P3$ python3 client.py
From Server: Client Y connected.
Enter message to send to server: First_message
```

5. mininet

```
mininet@mininet-vm:~/CST311/TeamProjects/P3$ ls
client.py  EC_client.py  EC_server.py  server.py
mininet@mininet-vm:~/CST311/TeamProjects/P3$ python3 server.py
The server is waiting to receive two connections....

Accepted first connection, calling it client X
Accepted second connection, calling it client Y

Waiting to receive messages from client X and client Y....

Client Y sent message 1: First_message
Client X sent message 2: Second_message

Waiting a bit for clients to close their connections
Done.
mininet@mininet-vm:~/CST311/TeamProjects/P3$
```

6. mininet

```
mininet@mininet-vm:~/CST311/TeamProjects/P3$ ls
client.py  EC_client.py  EC_server.py  server.py
mininet@mininet-vm:~/CST311/TeamProjects/P3$ python3 client.py
From Server: Client X connected.
Enter message to send to server: Second_message
From Server: Y: First_message received before X: Second_message
mininet@mininet-vm:~/CST311/TeamProjects/P3$
```

7. mininet

```
mininet@mininet-vm:~/CST311/TeamProjects/P3$ ls
client.py  EC_client.py  EC_server.py  server.py
mininet@mininet-vm:~/CST311/TeamProjects/P3$ python3 client.py
From Server: Client Y connected.
Enter message to send to server: First_message
From Server: Y: First_message received before X: Second_message
mininet@mininet-vm:~/CST311/TeamProjects/P3$
```