

Server and client 1

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
anurag-sarva@anurag-sarva-Inspiron-15-5518:~/NS1/Task 3$ python3 server.py
Yo! Server is now running on port 8080...
New user joined: Anurag with ip address and port 192.168.155.111:39961
New user joined: Gulshan with ip address and port 192.168.155.99:60184
Saaaa! Anurag left the chat
Saaaa! Gulshan left the chat
^C
(Server Shutting down)...
```

```
anurag-sarva@anurag-sarva-Inspiron-15-5518:~/NS1/Task 3$ python3 client.py
What's ur name? Anurag

Select one option which you want to do?
1. See who's here
2. Chat with someone
3. Exit!
Pick one: [Send]: Public Key = 8
[Received]: Public Key = 14
AES Key: 4e07408562bedb8b60ce05c1decfe3ad

Secure chat ready! Type 'EOM' to terminate the chat
[Send]:
[Received]: HII Anurag
[Send]:
[Send]: Hi bro
[Send]: whats upp bro
[Send]:
[Received]: I am good
[Send]: ok bro byee
[Send]: EOM

Select one option which you want to do?
1. See who's here
2. Chat with someone
3. Exit!
Pick one: 3
anurag-sarva@anurag-sarva-Inspiron-15-5518:~/NS1/Task 3$
```

Client 2

```
client.py x crypto_utils.py 2 dh_utils.py server.py
client.py > % ChatBuddy > % __init__ > % server_addr
1 # client.py - an secure chat program 4 talking to other peeps!!
```

```
PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS
(base) gulshanhatzade@Gulshans-MacBook-Air Task 3 % export P=23
(base) gulshanhatzade@Gulshans-MacBook-Air Task 3 % export Q=5
(base) gulshanhatzade@Gulshans-MacBook-Air Task 3 % python3 client.py
What's ur name? Gulshan

Select one option which you want to do?
1. See who's here
2. Chat with someone
3. Exit!
Pick one: 1

Peeps online:
- Anurag

Select one option which you want to do?
1. See who's here
2. Chat with someone
3. Exit!
Pick one: 2
Who u wanna chat with? Anurag
[Send]: Public Key = 8
[Received]: Public Key = 14
AES Key: 4e07408562bedb8b60ce05c1decfe3ad

Secure chat ready! Type 'EOM' to terminate the chat
[Send]: HII Anurag
[Send]:
[Received]: Hi bro
[Send]:
[Received]: whats upp bro
[Send]: I am good
[Send]:
[Received]: ok bro byee
[Send]:
Friend is leaving the chat

Select one option which you want to do?
1. See who's here
2. Chat with someone
3. Exit!
EOM
Pick one:
Uh oh, sending failed: [Errno 9] Bad file descriptor
EOM

Select one option which you want to do?
1. See who's here
2. Chat with someone
3. Exit!
Pick one: 3
(base) gulshanhatzade@Gulshans-MacBook-Air Task 3 %
```