

Version 1:

```
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$ ./chatClient localhost 12122
connectSuccess: 0
Successfully Connected to host "localhost" with IP 127.0.0.1
Please enter your first name: Kabra
Server: Akash
Hi!
Server: Hello!
Server: How is your day?
Great! Thanks. How about yours?
Server: Same! This chatbox is so cool!
Haha! Yeah it is!
```

```
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$ ./chatClient localhost 12122
connectSuccess: 0
Successfully Connected to host "localhost" with IP 127.0.0.1
Please enter your first name: Akash
Server: Kabra
Server: Hi!
Hello!
How is your day?
Server: Great! Thanks. How about yours?
Same! This chatbox is so cool!
Server: Haha! Yeah it is!
```

```
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$ ./chatServer 12122
clientNum: 4
clientNum: 5
Akash
Kabra
Hi!
Hello!
How is your day?
Great! Thanks. How about yours?
Same! This chatbox is so cool!
Haha! Yeah it is!
```

Version 2:

```
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$ ./chatClient localhost 12122
Successfully Connected to host "localhost" with IP 127.0.0.1
Please enter your first name: Akash
Connected to Kabra

Kabra: Hi Akash!
Hi Kabra! How are you?
Kabra: I'm great, how about you?
Same. Wow, ChatBox is different now! It has few more details and I can even see
your name before your message
Kabra: Yeah! I like that I can see your name as well. Awesome.
Kabra: Anyways, I'm now ending the chat.
Bye!
Other user disconnected.. Ending program now.
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$
```

```
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$ ./chatClient localhost 12122
Error: Connection to host "localhost" with IP 127.0.0.1 failed
Trying again in 5 seconds...
Successfully Connected to host "localhost" with IP 127.0.0.1
Please enter your first name: Kabra
Connected to Akash

Hi Akash!
Akash: Hi Kabra! How are you?
I'm great, how about you?
Akash: Same. Wow, ChatBox is different now! It has few more details and I can ev
en see your name before your message
Yeah! I like that I can see your name as well. Awesome.
Anyways, I'm now ending the chat.
Akash: Bye!
^C^C was pressed. Client shutting down...
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$
```

```
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$ ./chatServer 12122
clientNum: 4 connected!
clientNum: 5 connected!
Client number 5 disconnected.
Client number 4 disconnected.
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$
```

Version 2 ERROR Reports:

- When two clients are already connected, and a third client tries to connect.

```
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$ ./chatClient localhost 12122
Fatal Error: Failed to connect. (Two clients already connected.)
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$
```

- Bad hostname

```
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$ ./chatClient randomName 12122
Fatal Error: getaddrinfo: Name or service not known
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$
```

- Client's port number doesn't match server

```
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$ ./chatClient localhost 12
Error: Connection to host "localhost" with IP 127.0.0.1 failed
Trying again in 5 seconds...
Error: Connection to host "localhost" with IP 127.0.0.1 failed
Trying again in 5 seconds...
Error: Connection to host "localhost" with IP 127.0.0.1 failed
Trying again in 5 seconds...
Error: Connection to host "localhost" with IP 127.0.0.1 failed
Trying again in 5 seconds...
Error: Connection to host "localhost" with IP 127.0.0.1 failed
Trying again in 5 seconds...
^C
akash_kab@AKASH:~/Desktop/Side_Projects/ChatBox$
```