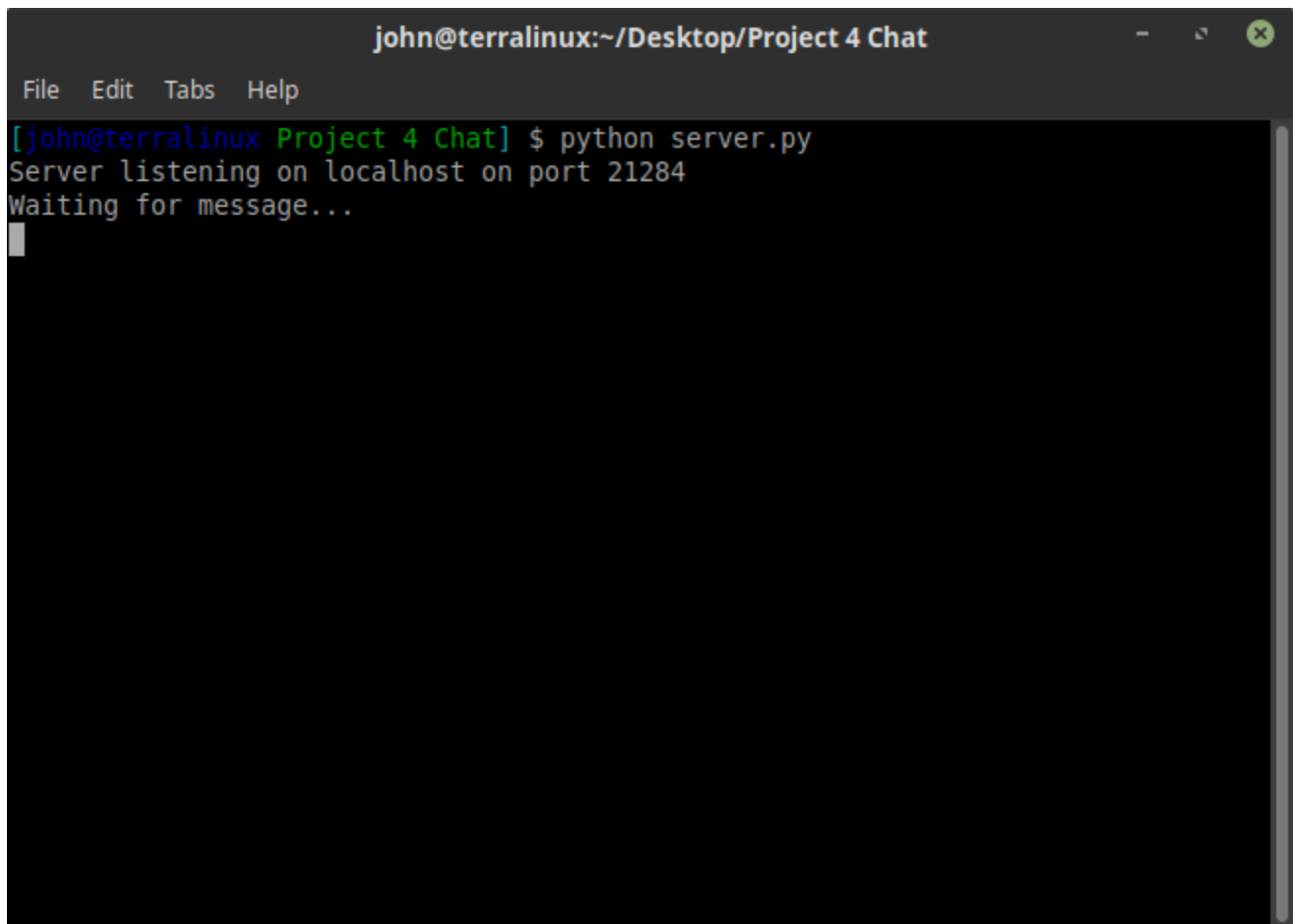


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CS372  
Project 4 Writeup

## Instructions

I tested this in Fedora 32 Linux on my desktop, but it should also work on Windows/Mac. I used python3, so just invoke it with whichever command invokes python3, followed by the name. If you want to use a particular port, enter that as a second argument, otherwise the default port is 21284.

## Screenshots

A screenshot of a terminal window titled "john@terralinux:~/Desktop/Project 4 Chat". The window has a menu bar with "File", "Edit", "Tabs", and "Help". The terminal content shows the command "[john@terralinux Project 4 Chat] \$ python server.py" being executed. The output is "Server listening on localhost on port 21284" followed by "Waiting for message...". A cursor is visible on the line "Waiting for message...".

```
john@terralinux:~/Desktop/Project 4 Chat
File Edit Tabs Help
[john@terralinux Project 4 Chat] $ python server.py
Server listening on localhost on port 21284
Waiting for message...
█
```

john@terralinux:~/Desktop/Project 4 Chat

File Edit Tabs Help

```
[john@terralinux Project 4 Chat] $ python client.py
```

Connected, you may send your message.

Your message:

john@terralinux:~/Desktop/Project 4 Chat

File Edit Tabs Help

```
[john@terralinux Project 4 Chat] $ python server.py
```

```
Server listening on localhost on port 21284
```

```
Waiting for message...
```

```
Client: Hi, This is the chat
```

```
Your message: Hi, response from server
```

john@terralinux:~/Desktop/Project 4 Chat

File Edit Tabs Help

```
[john@terralinux Project 4 Chat] $ python client.py
```

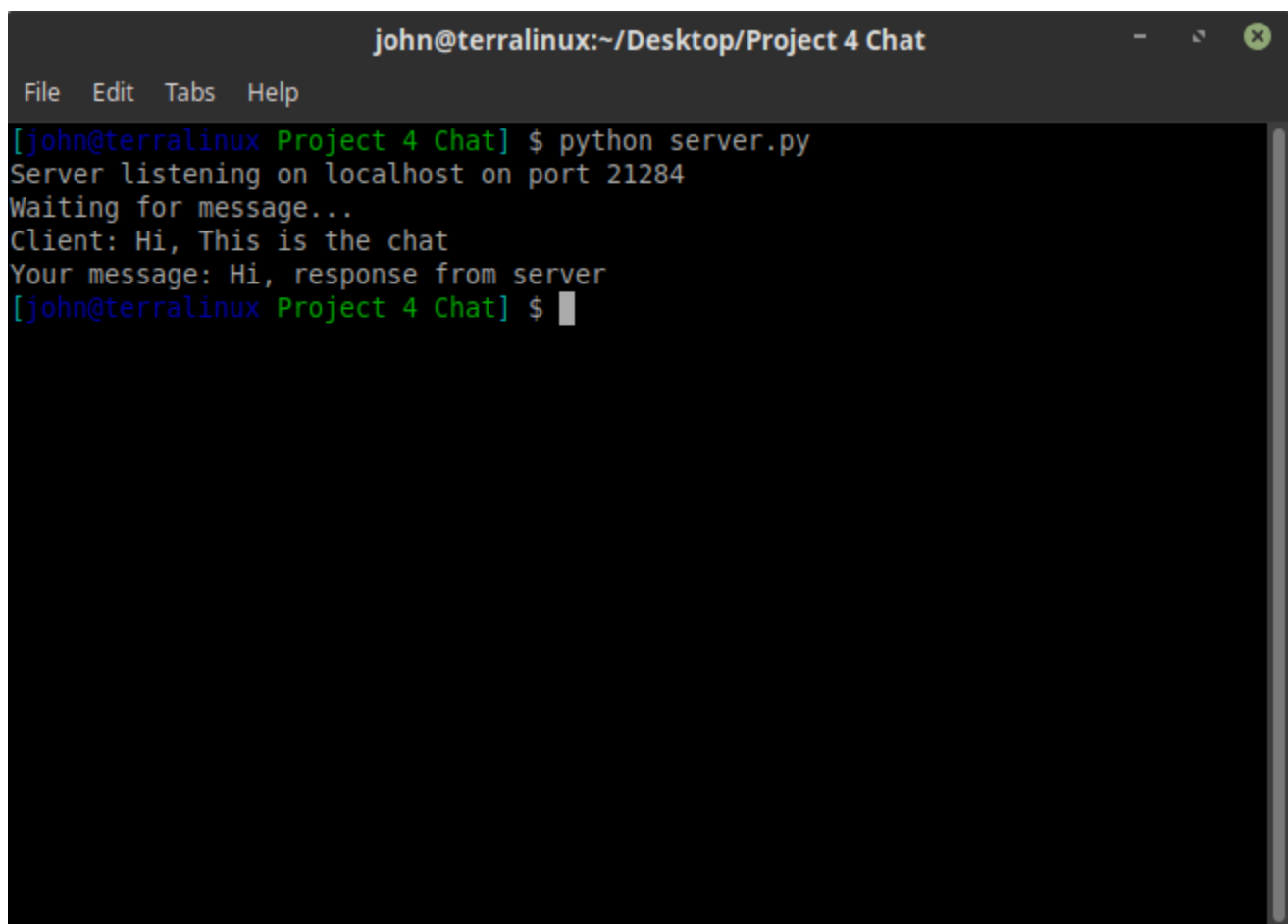
Connected, you may send your message.

Your message: Hi, This is the chat

Server: Hi, response from server

Your message: /q

```
[john@terralinux Project 4 Chat] $
```



```
john@terralinux:~/Desktop/Project 4 Chat
File Edit Tabs Help
[john@terralinux Project 4 Chat] $ python server.py
Server listening on localhost on port 21284
Waiting for message...
Client: Hi, This is the chat
Your message: Hi, response from server
[john@terralinux Project 4 Chat] $
```

### Comments/Questions

I set fixed sizes for send and recv. It said it was yuck in the directions but did not explicitly disallow it, so I set it to 200.