Justin Phillips
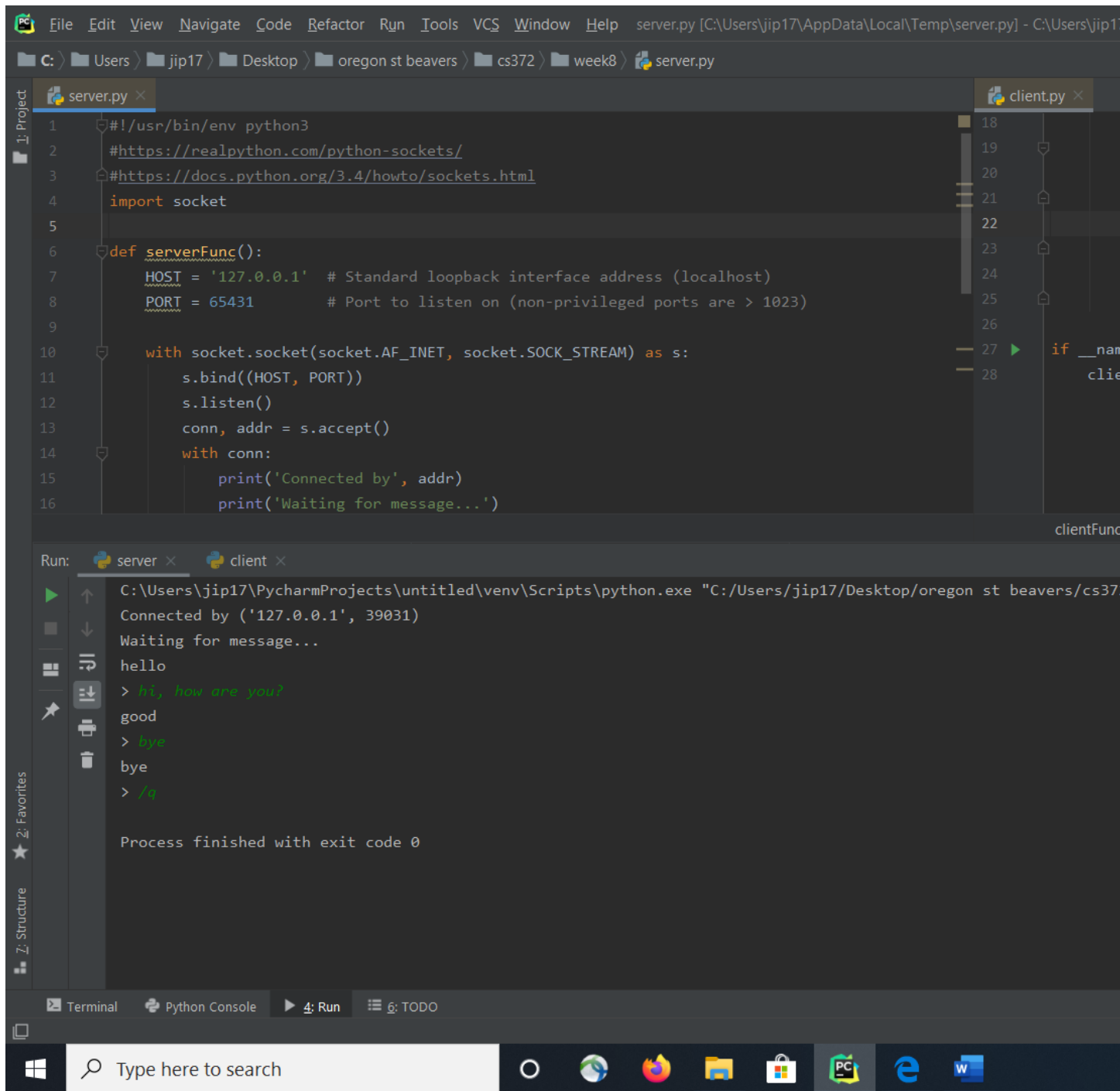
cs372 summer 2020

project 4 client/server chat

1. I ran my program in pycharm by just using that nice run feature. I used python 3

2.screen shots

this is the server chat window

File Edit View Navigate Code Refactor Run Tools VCS Window Help

C: › Users › jip17 › Desktop › oregon st beavers › cs372 › week8 › server.py

server.py ×   **client.py** ×

```python
1    #!/usr/bin/env python3
2    #https://realpython.com/python-sockets/
3    #https://docs.python.org/3.4/howto/sockets.html
4    import socket
5
6    def serverFunc():
7        HOST = '127.0.0.1'  # Standard loopback interface address (localhost)
8        PORT = 65431        # Port to listen on (non-privileged ports are > 1023)
9
10       with socket.socket(socket.AF_INET, socket.SOCK_STREAM) as s:
11           s.bind((HOST, PORT))
12           s.listen()
13           conn, addr = s.accept()
14           with conn:
15               print('Connected by', addr)
16               print('Waiting for message...')
```

```
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21
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25
26
27    if __nam
28        clie
```

clientFunc

Run: 🐍 server ×   🐍 client ×

```
C:\Users\jip17\PycharmProjects\untitled\venv\Scripts\python.exe "C:/Users/jip17/Desktop/oregon st beavers/cs37
Connected by ('127.0.0.1', 39031)
Waiting for message...
hello
> hi, how are you?
good
> bye
bye
> /q

Process finished with exit code 0
```

Terminal   Python Console   ▶ 4: Run   ≡ 6: TODO

Type here to search

this is the client side of the chat window

```python
#!/usr/bin/env python3
#https://realpython.com/python-sockets/
#https://docs.python.org/3.4/howto/sockets.html
import socket

def serverFunc():
    HOST = '127.0.0.1'  # Standard loopback interface address (localhost)
    PORT = 65431        # Port to listen on (non-privileged ports are > 1023)

    with socket.socket(socket.AF_INET, socket.SOCK_STREAM) as s:
        s.bind((HOST, PORT))
        s.listen()
        conn, addr = s.accept()
        with conn:
            print('Connected by', addr)
            print('Waiting for message...')
```

client.py

```
18
19
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25
26
27  if __nam
28        clie
```

clientFunc

Run: server ×   client ×

```
C:\Users\jip17\PycharmProjects\untitled\venv\Scripts\python.exe "C:/Users/jip17/Desktop/oregon st beavers/cs372
Connected to:
Type /q to quit
Enter message to send...
>hello
'hi, how are you?'
>good
'bye'
>bye

Process finished with exit code 0
```

Terminal   Python Console   ▶ 4: Run   ☰ 6: TODO

Type here to search

2. Comments I usually use vs code but for some reason I was having a issue with it port and host. I already had pycharm from cs 362(I think) so I fired it up and it ran no problem.