

Participation Week 13

CYSC 250 Basic of Cybersecurity Programming &

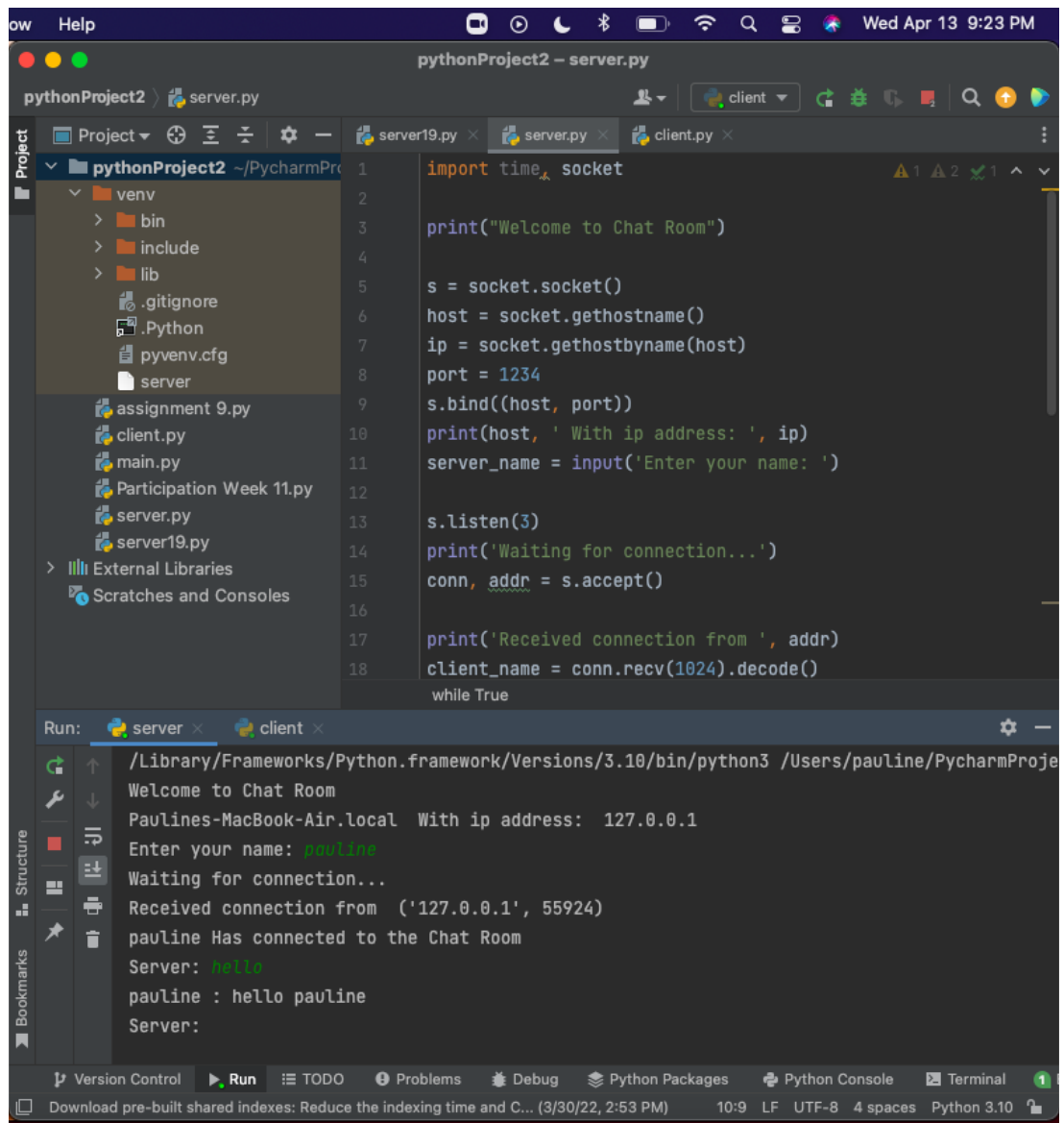
Networking

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Major in Cybersecurity

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Server and Client Chat Room

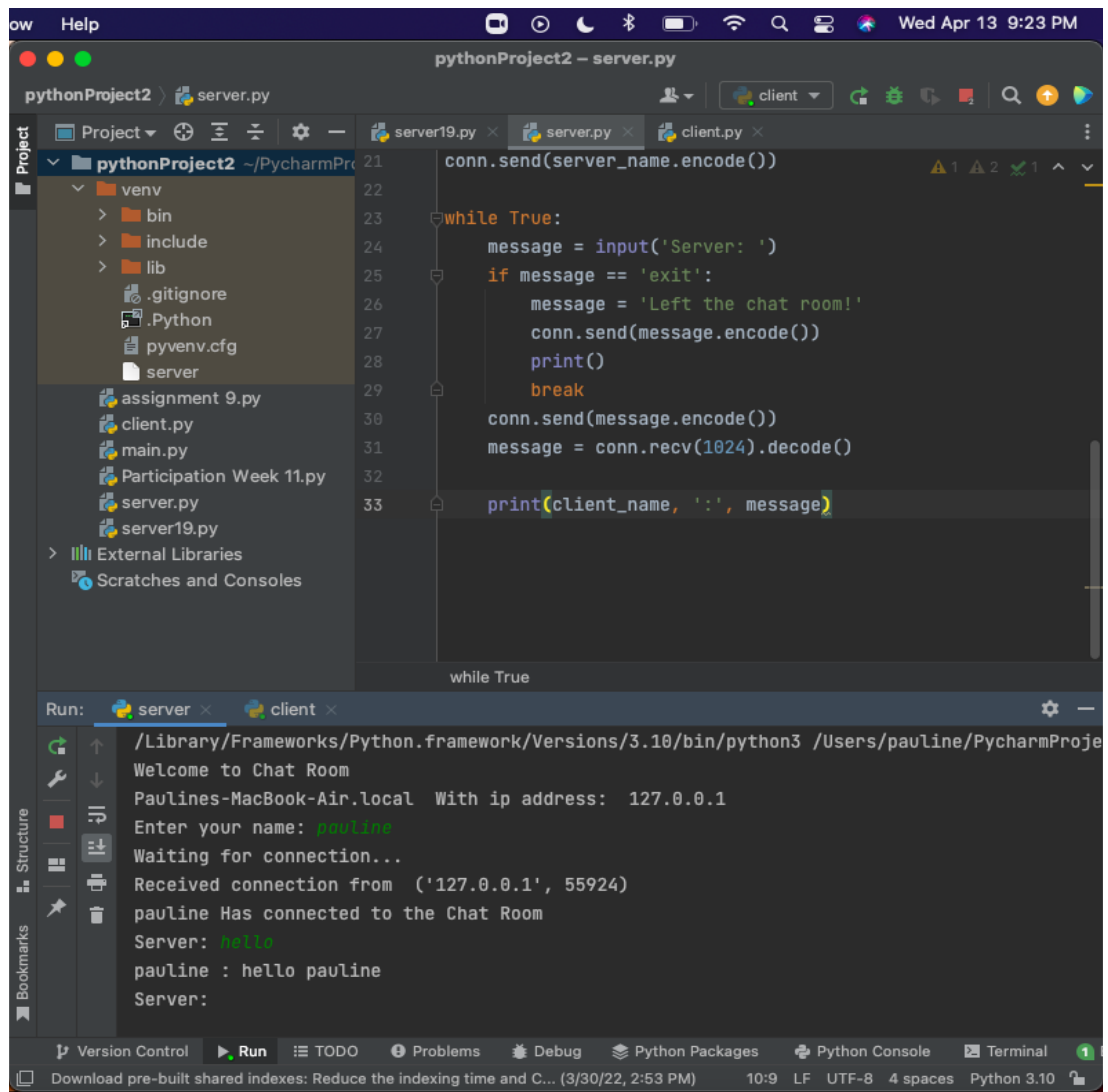


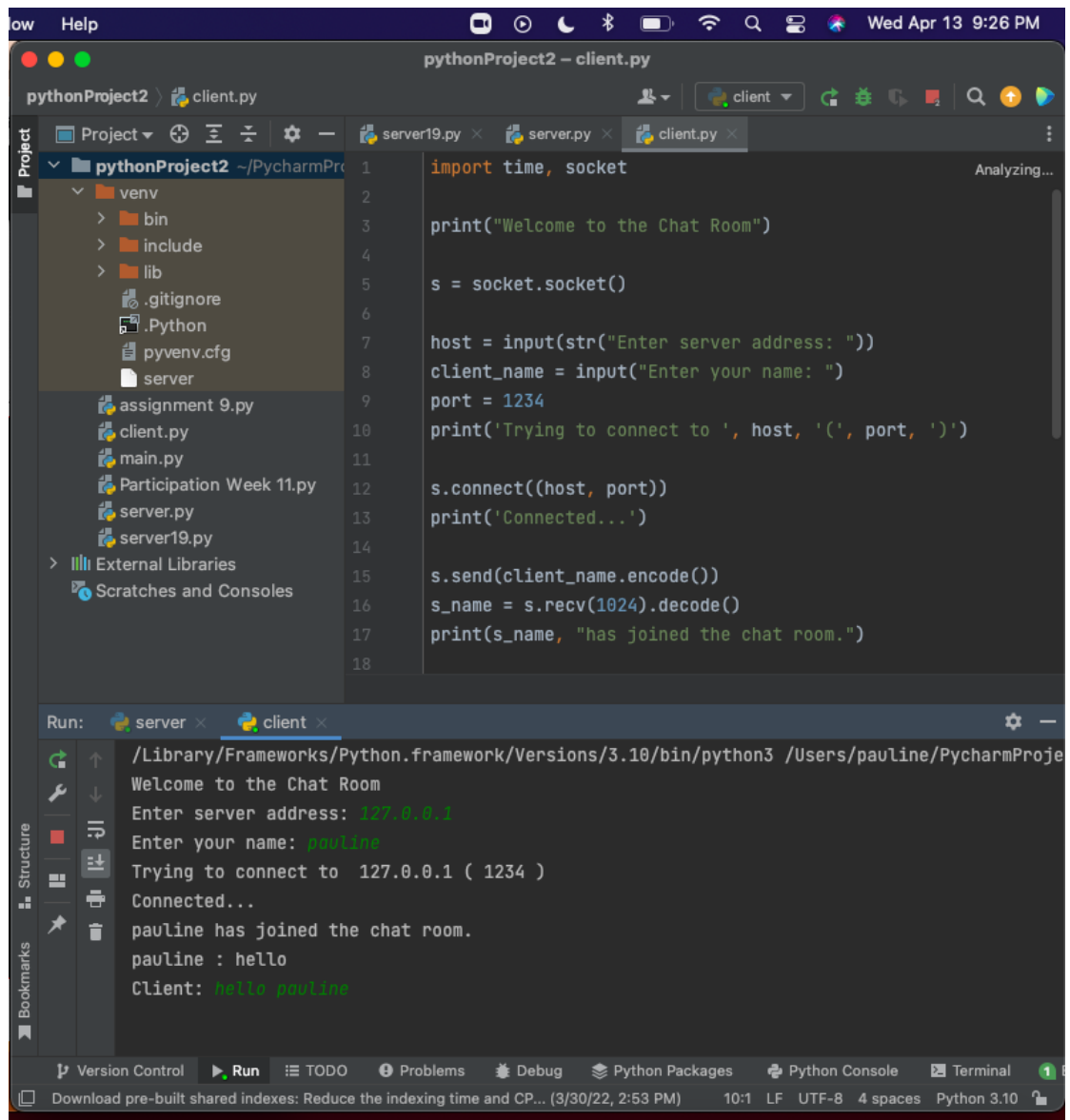
The screenshot displays the PyCharm IDE interface for a project named 'pythonProject2'. The main editor window shows the 'server.py' file, which contains the following Python code:

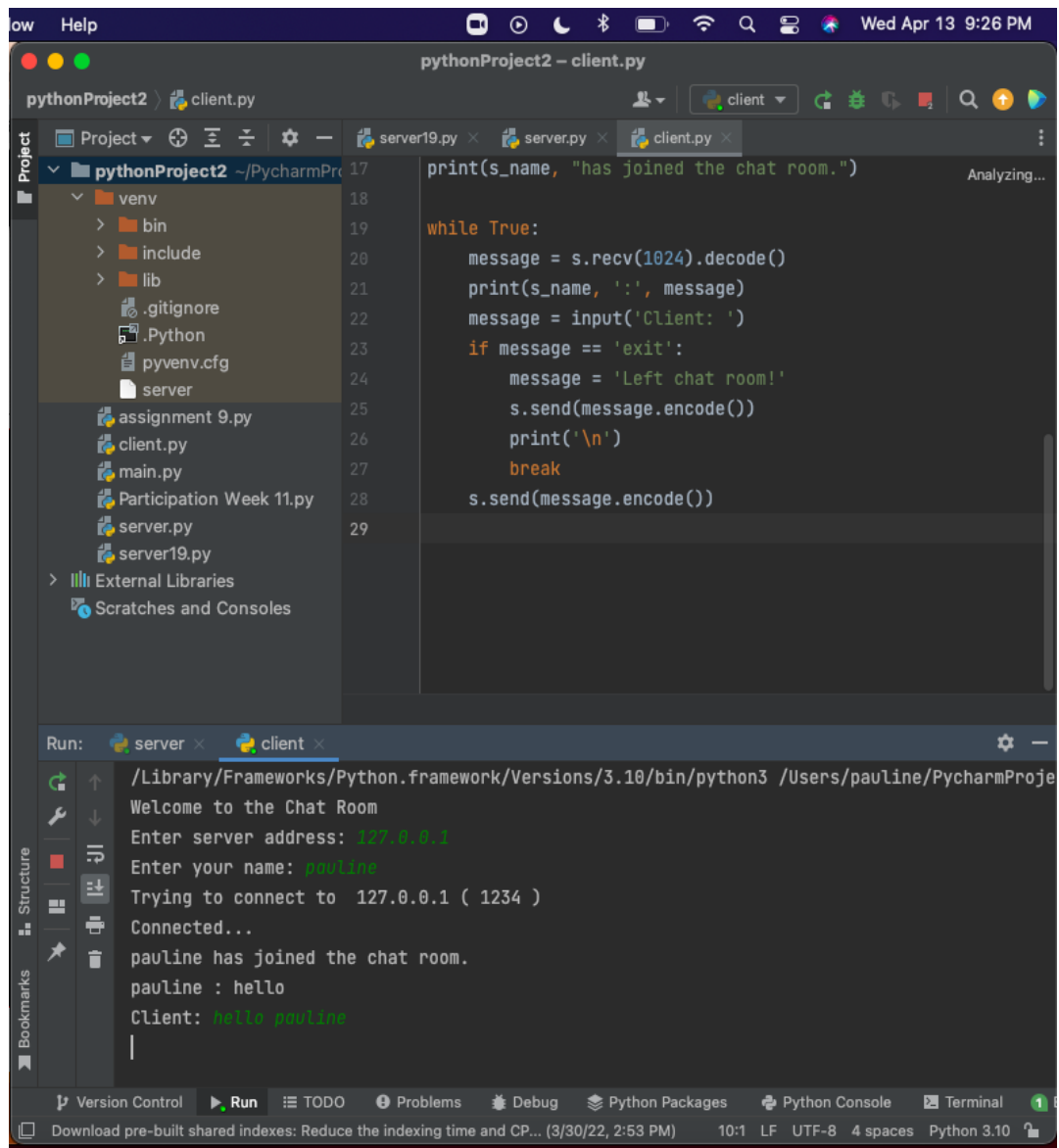
```
1 import time, socket
2
3 print("Welcome to Chat Room")
4
5 s = socket.socket()
6 host = socket.gethostname()
7 ip = socket.gethostbyname(host)
8 port = 1234
9 s.bind((host, port))
10 print(host, ' With ip address: ', ip)
11 server_name = input('Enter your name: ')
12
13 s.listen(3)
14 print('Waiting for connection...')
15 conn, addr = s.accept()
16
17 print('Received connection from ', addr)
18 client_name = conn.recv(1024).decode()
19 while True
```

The Run console at the bottom shows the output of the server, indicating that it is running successfully and has received a connection from a client named 'pauline'.

```
Run: server x client x
/Library/Frameworks/Python.framework/Versions/3.10/bin/python3 /Users/pauline/PycharmProje
Welcome to Chat Room
Paulines-MacBook-Air.local With ip address: 127.0.0.1
Enter your name: pauline
Waiting for connection...
Received connection from ('127.0.0.1', 55924)
pauline Has connected to the Chat Room
Server: hello
pauline : hello pauline
Server:
```







Above is the program created for a chat room. I created a port starting at 1024. I was able to chat between the client and server.

