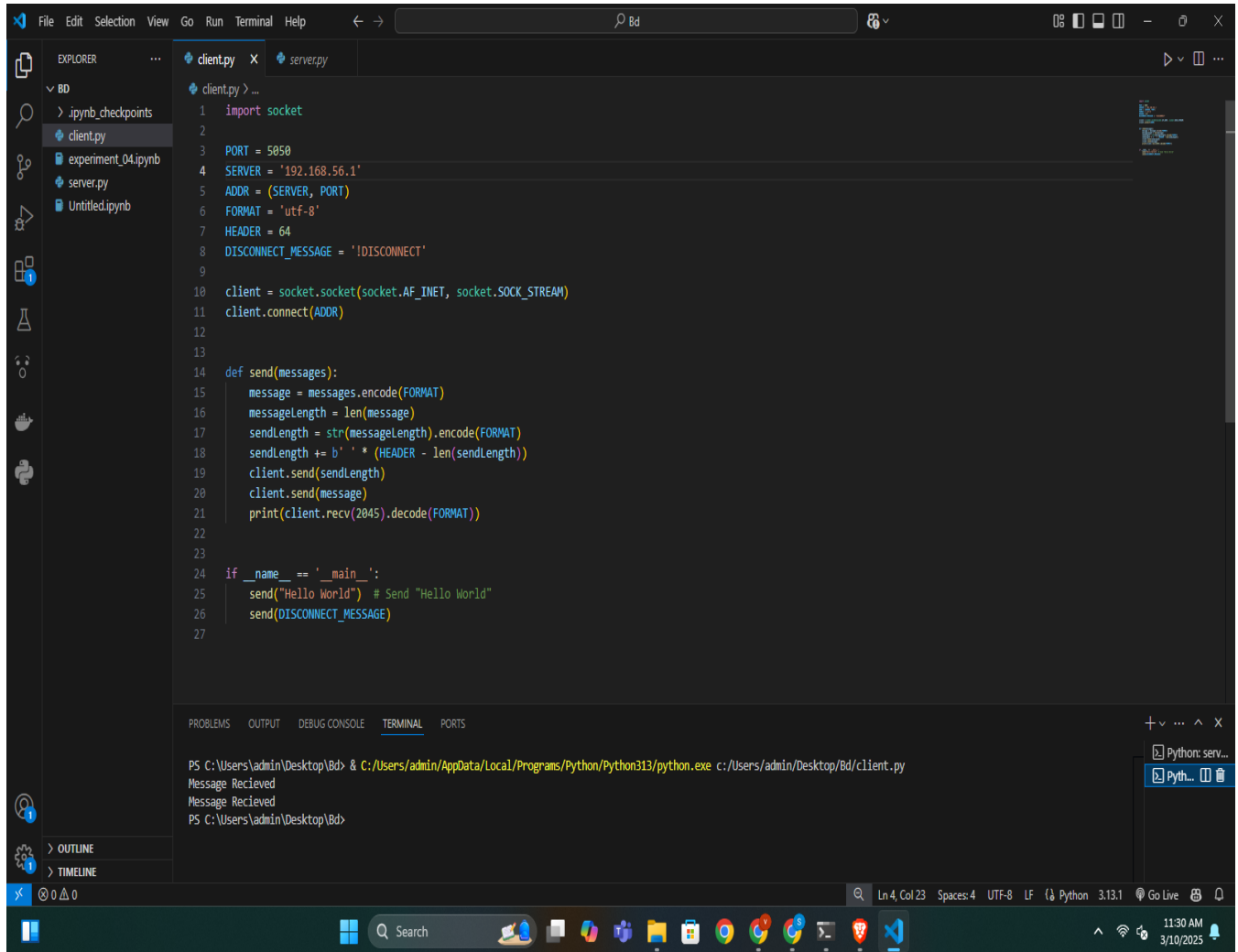


## SE (AI&DS) – Bhavya Damani -10



The image shows a Visual Studio Code editor window with a Python client script named `client.py` and its terminal output. The Explorer sidebar on the left shows the file structure with `client.py` selected. The main editor area displays the code for `client.py`, which is a socket client. The terminal at the bottom shows the command to run the script and its output, indicating that the client successfully connected to the server and received messages.

```
client.py > ...
1 import socket
2
3 PORT = 5050
4 SERVER = '192.168.56.1'
5 ADDR = (SERVER, PORT)
6 FORMAT = 'utf-8'
7 HEADER = 64
8 DISCONNECT_MESSAGE = 'DISCONNECT'
9
10 client = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
11 client.connect(ADDR)
12
13
14 def send(messages):
15     message = messages.encode(FORMAT)
16     messageLength = len(message)
17     sendLength = str(messageLength).encode(FORMAT)
18     sendLength += b' ' * (HEADER - len(sendLength))
19     client.send(sendLength)
20     client.send(message)
21     print(client.recv(2048).decode(FORMAT))
22
23
24 if __name__ == '__main__':
25     send("Hello World") # Send "Hello World"
26     send(DISCONNECT_MESSAGE)
27
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\admin\Desktop\Bd> & C:/Users/admin/AppData/Local/Programs/Python/Python313/python.exe c:/Users/admin/Desktop/Bd/client.py
Message Recieved
Message Recieved
PS C:\Users\admin\Desktop\Bd>
```

Ln 4, Col 23 Spaces: 4 UTF-8 LF Python 3.13.1 Go Live

11:30 AM 3/10/2025

