## Roma Dsouza -14

```
UNTITLED (WORKSPACE)

√ Experiment 7

                              import socket, threading
 client.py
                                PORT = 5050
 server.py
                                SERVER = socket.gethostbyname (socket.gethostname ())
> Experiment 6
                                ADDR = (SERVER, PORT)
                                FORMAT = 'utf-8
                                HEADER = 64
                                DISCONNECT_MESSAGE = '!DISCONNECT'
                                server = socket.socket (socket.AF_INET, socket.SOCK_STREAM)
                                server.bind (ADDR)
                                def clientHandling (connection, address):
                                    print (f'[NEW CONNECTION] {address} connected')
                                    isConnected = True
                                    while isConnected:
                                        messageLength = connection.recv (HEADER).decode (FORMAT)
                                        if messageLength:
                                           messageLength = int (messageLength)
                                            message = connection.recv (messageLength).decode (FORMAT)
                                           if message == DISCONNECT_MESSAGE:
                                                isConnected = False
                                            print (f'[{address}] {message}')
                                            connection.send ('Message Recieved'.encode (FORMAT))
                                  connection.close ()
                                def start ():
                                    server.listen ()
                                    print (f'[LISTENING] Server is listening on {SERVER}')
                                       connection, address = server.accept ()
                                        thread = threading.Thread (target=clientHandling, args=(connection, address))
                                        print (f'[ACTIVE CONNECTION] {threading.active_count () - 1}')
                                print ('[SERVER STARTING] server has been started')
                                start ()
                          PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
                          [LISTENING] Server is listening on 192.168.56.1
```