vansh bhelekar AIDS(SE-06)

```
    Search
    Se
View Go Run Terminal Help
  server.py X  client.py
   C: > Users > admin > Desktop > experiment3 > ♦ server.py > ♦ start
         1 import socket, threading
                  PORT = 5050
                 SERVER = socket.gethostbyname (socket.gethostname ())
                  ADDR = (SERVER, PORT)
                  FORMAT = 'utf-8'
                   HEADER = 64
         8 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}')
                              while True:
                                       connection, address = server.accept ()
                                         thread = threading.Thread (target=clientHandling, args=(connection, address))
                                        thread.start ()
                                        print (f'[ACTIVE CONNECTION] {threading.active_count () - 1}')
                   print ('[SERVER STARTING] server has been started')
                     start ()
     PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
     [NEW CONNECTION] ('192.168.21.215', 65096) connected
     [ACTIVE CONNECTION] 1
     [('192.168.21.215', 65096)] Hello World
[('192.168.21.215', 65096)] !DISCONNECT
```

```
/iew Go Run Terminal Help
              client.py X
server.pv
C: > Users > admin > Desktop > experiment3 > ♦ client.py > ...
  1 import socket
      PORT = 5050
  4 SERVER = '192.168.21.215'
     ADDR = (SERVER, PORT)
FORMAT = 'utf-8'
     HEADER = 64
  8 DISCONNECT_MESSAGE = '!DISCONNECT'
     client = socket.socket (socket.AF_INET, socket.SOCK_STREAM)
      client.connect (ADDR)
      def send (messages):
         message = messages.encode (FORMAT)
          messageLength = len (message)
          sendLength = str (messageLength).encode (FORMAT)
          sendLength += b' ' * (HEADER - len (sendLength))
          client.send (sendLength)
          client.send (message)
          print (client.recv (2045).decode (FORMAT))
      if __name__ == '__main__':
    ### Pass the Hello World message as an input
          send ("Hello World")
          send (DISCONNECT_MESSAGE)
 PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
 Message Recieved
 Message Recieved
PS C:\Users\admin>
```