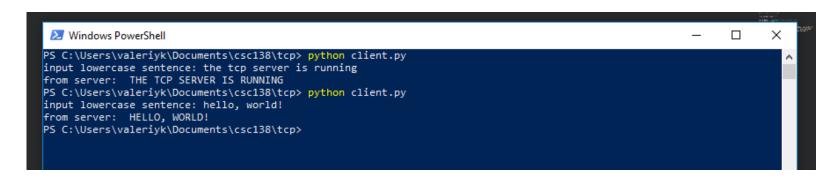
## Valeriy Kutsar Socket 1

Server and client files for TCP

```
client.py C:\...\udp
client.py C:\...\tcp
                     server.py C:\...\tcp ×
                                           server.py C:\...\udp
      #This server is for tcp
      from socket import *
  3 serverPort = 13001 #use soemthing different than the udp code
    serverSocket = socket(AF_INET,SOCK_STREAM)
      serverSocket.bind(('', serverPort))
      serverSocket.listen(1)
      print ("the server is ready to recieve")
           connectionSocket, addr = serverSocket.accept()
           sentence = connectionSocket.recv(1024).decode()
           capitalizedSentence = sentence.upper()
           connectionSocket.send(capitalizedSentence.encode())
           connectionSocket.close()
```

## Tcp server and client running



#### Server and client for UDP

### UDP server and client run

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\valeriyk> cd Documents/csc138/udp

PS C:\Users\valeriyk\Documents\csc138\udp> python server.py
the server is ready to recieve
```

# Windows PowerShell

PS C:\Users\valeriyk\Documents\csc138\udp> python client.py
input lowercase sentence: hello, world!
modified message: HELLO, WORLD!
PS C:\Users\valeriyk\Documents\csc138\udp> python client.py
input lowercase sentence: udp server is running
modified message: UDP SERVER IS RUNNING

PS C:\Users\valeriyk\Documents\csc138\udp>