CP Client:

import socket

serverIP **=** 'localhost'

serverPort **=** 16000

clientSock **=** socket.socket(socket.AF\_INET, socket.SOCK\_STREAM)

clientSock.connect((serverIP, serverPort))

message **=** raw\_input("Input integers with space in between: ")

message2 **=** raw\_input("Enter the length of the set: ")

clientSock.send(message)

clientSock.send(message2)

data **=** clientSock.recv(1024)

temp **=** [float(x) **for** x **in** data.split(' ')]

**print**("The total of all numbers is: " **+** str(temp[0]))

**print**("The lowest number is: " **+** str(temp[1]))

**print**("The highest number is: " **+** str(temp[2]))

**print**("The mean is: " **+** str(temp[3]))

clientSock.close()

import socket

serverIP **=** 'localhost'

serverPort **=** 16000

serverSock **=** socket.socket(socket.AF\_INET, socket.SOCK\_STREAM)

serverSock.bind((serverIP, serverPort))

serverSock.listen(1)

**print**("TCP server has started and is ready to receive")

**while** 1:

connection, addr **=** serverSock.accept()

data **=** connection.recv(1024)

**if** **not** data: **break**

temp **=** [float(x) **for** x **in** data.split(' ')]

**print** "Received data:", temp

length **=** len(temp)

maximum **=** max(temp)

minimum **=** min(temp)

total **=** sum(temp)

mean **=** total**/**length

msg **=** str(total) **+** " " **+** str(minimum) **+** " " **+** str(maximum) **+** " " **+** str(mean)

connection.send(str(msg))

* Below is an example input from clientTCP side:
* Input integers with space in between: 5 4 6 9 3.4
* Next, the user will enter the length of the above set when prompted from clientUDP side:
* Enter the length of the set: 5
* Next, you will notice a screen output on the serverTCP side as follows:
* TCP server has started and is ready to receive
* Received data: [5.0, 4.0, 6.0, 9.0, 3.4]
* Finally you will should see an output on the clientTCP side as follows:
* The total of all numbers is: 27.4
* The lowest number is: 3.4
* The highest number is: 9.0

The mean is: 5.48