Lab Activity 11

Submission Deadline: Friday, 19 November 2021, 5 pm.

Topic: Socket Programming

Programming language: Python

Submit a zipped folder - <roll\_number>\_socket.zip on Moodle.

Your submission should contain -

Client.py

Server.py

README(optional)

1. Server.py should have the following functionalities -
   1. Take input parameter <port\_number>. The code should be run as python server.py <port\_number>(10)
   2. When a client connects, print (10)
      1. Client number
      2. Time of connection (Code will not be evaluated on time precision/order of client connection)
   3. One server can have multiple clients(upto 2)(10)
   4. On receiving message from the client, send acknowledgement to the respective client
   5. Reverse the message and send it back(10)
2. Client.py should have the following functionalities -
   1. Take input parameter <port number>. The code should be run as python client.py <port\_number>(10)
   2. Connect the client with the server(10)
   3. Send message to server consisting of -
      1. String which is input from user(10)
   4. Get reversed string from server and display(10)
   5. The message can be sent to server as many times as the client wants(10)