

Indian Institute of Technology Jodhpur

Computer Science and Engineering Department

Lab 1

CSL6010 - Cyber Security

Date: 12-01-2023

Marks: 10

Duration: 1.5 Hrs

Aim: Design and implementation of a simple client/server model and running application using sockets and TCP/IP.

1. Create a client server simple handshaking program using socket programming.
2. Create a socket program to connect to a predefined server (try <https://iitj.ac.in/> use others too).

Create a client server program using socket programming, Where..

3. The server will simply echo whatever it receives back to the client.
4. The client sends a text message in Lowercase to the server and the server returns it in Uppercase to the client.
5. The client sends a text message to the server and the server returns it in reverse order to the client.

Reference Online Material:

1. <https://realpython.com/python-sockets/>
2. https://www.youtube.com/watch?v=GlVfVn17_ug
3. <https://www.geeksforgeeks.org/socket-programming-python/>
4. <https://www.youtube.com/watch?v=T0rYSFPAR0A&t=1252s>
5. <https://www.youtube.com/watch?v=Lbfe3-v7yE0>