

Assignment 5  
Deadline: 11/01/2024

Q#1: Implement programming examples in Lectures 14,15,16 and 17.

Q#2: Write a client server application to demonstrate the following:

- The client will pass the server a string (eg: "Hello") in length.
- On receiving a string from a client, the server should:
  - reverse all the characters
  - reverse the capitalization of the strings ("hello" would now become "OLLEH").
- The server should then send the string back to the client.
- The client will display the received string and exit.
- Server should be able to respond to multiple clients simultaneously, i.e. (Use multithreading).

Q#3: Write a client server application in which server will ask different questions and client will respond to that questions.

For example:

Server: What is your name?

Client: Imran

Server: What is your DOB?

Client: 1/1/1900

Q#4: Write a program to scan port using socket and multithreading.