Indian Institute of Information Technology, Allahabad
Course: Computer Networks
Batch: B.Tech (IT) 4th Semester; Section B

Lab Assignment #3
Assignment Date: 29.01.2020
Deadline: 31.01.2020

1. Write a client-server program that provides synchronous chat facility. This means user can send a message and wait for the reply. The user can send second message after getting the reply from the other side and so on. Your application allows a user on one machine to type in and send text to a user on another machine and vice versa.

2. Modify the above program to make the application to provide non blocking chat facility to the users. This means, user can send any number of messages at any time without waiting for replay from the other side. (Hint: Use select() system call).

3. Modify the above application and make the server, a concurrent server program. Which means the server can chat to multiple clients simultaneously. (Hint: Use fork() system call).