



Birla Institute of Technology & Science, Pilani

Pilani Campus

II SEMESTER 2019-2020

LAB-6 EXERCISE

Course No.: IS F462

Course Title: Network Programming

Deadline: 7th May 2020

Maximum Marks: 20M

Write a concurrent TCP server using signal-driven I/O that does the following:

- it takes port no on command-line and waits for incoming connections on that port.
- it uses signal-driven I/O to handle concurrency.
- telnet application can be used a client.
- Whenever it receives a message from a client it sends it to rest of the clients connected to it.
- At every 20 seconds server sends "hello" message to all the clients connected to it. If it doesn't get reply within 10 seconds from a client, it will close the connection to that client.

Files Expected: tcpserver__signaldriven.c and makefile.

Files Expected: A tar file <idno>_lab6.tar

Upload in <http://nalanda.bits-pilani.ac.in>