

EEP-773 (Telecom Software Lab)

Assignment # 12 - Socket Programming using C/C++

4 November 2015

Problem Statement 1

Implement a ftp server using sockets. A client should be able to access the sever choose the file it needs and then transfer it to its computer. A client should be able to run atleast the following commands(ANY 3)

1. ls
2. cd
3. put
4. get

Problem Statement 2

Implement a client - server user-level application using sockets API in C/C++.The Server application has to support at least five clients simultaneously. Server accepts strings from clients (even multiple strings from each client) and replies with reverse strings. For example, when client sends "IITD", Server replies with "DTII". Both server and client(s) have to output both sending & receiving strings on the terminal.

Instructions

- Deadline to submit assignment is Nov 4th, 1650hrs
- Create folder with name jtm15XXXX_YY where XXXX -> 4 digits in your entry number and YY -> assignment number (for ex. jtm158888_02 as folder name)(Replace jtm with bsy for msr students)
- Put your .tex file, any image file,along with the report in the folder
- Compress your folder using tar.gz compression only
- Mail your compressed folders to "2015eep773@gmail.com" only. Avoid multiple submissions. In case of multiple submissions TAs will have right to choose any submission for evaluations seems fit.<mailto:2015eep773@gmail.com>
- Subject of the submission mail must be **assignYY_jtm15XXX**

- Do not deviate from above protocol for folder name and subject line it helps us to work efficiently if those things are in order.