Socket Programming: Assignment 1

In this project, you need to learn the fundamentals of socket programming from the resources shared with you. Specific features and requirements which you need to implement are the following.

1. Create a socket, bind it to a specific address and port, as well as send and receive a TEXT from your machine and receive from the server machine.

2. Implement the functionality of sending files and receiving files with your socket architecture implementing client server paradigm.

3. Implement functionality to exchange files type such as text/images/audio/video.

Essential requirements.

1. Use only a berkeley socket interface.

2. Implement using C/C++ only

3. Neat and clean code

4. Comment and properly formatted code.

5. Max two group members.

You have to submit your assignment with

1. Sever file

2. Client file

3. Manual file - Explaining your functionality.

4. Screenshots of each function during execution of code.

Compressed file with all the above mentioned files with following naming conventions.

P\_1\_YourName\_Roll NO. ZIP

**NEED TO DO:**

* **Client Server Text exchange -** [**https://www.youtube.com/watch?v=\_lQ-3S4fJ0U&list=PLPyaR5G9aNDvs6TtdpLcVO43\_jvxp4emI&index=1**](https://www.youtube.com/watch?v=_lQ-3S4fJ0U&list=PLPyaR5G9aNDvs6TtdpLcVO43_jvxp4emI&index=1)
* **Client Server Files exchange -** [**https://github.com/pranav93y/Basic-FTP-Client-Server**](https://github.com/pranav93y/Basic-FTP-Client-Server)

**-** [**https://github.com/omair18/Socket-Programming-in-C**](https://github.com/omair18/Socket-Programming-in-C)

* **Manual File**