**Lab Assignment I**

1. Create a TCP/IP client-server program in which a single client connects to the server. The server then should send a greeting to the client. Repeat the experiment using UDP.
2. Create a TCP/IP client-server program. The client should send a message asking for the current date. The server should respond with the current date that will be displayed on the client.
3. Create a TCP/IP server-client program in which both client and server can send and receive messages (Chat application). Repeat the experiment using UDP.
4. Create a chat room such that multiple clients can connect to a server. The clients must be able to both send and receive messages to each other via the server. Create chat rooms using TCP and UDP.