Socket programming Project (see section 4 of Chapter 1 in the text). For both parts, look at the 5th edition text book (non international version).

For this project, some basic socket programming is going to be performed. You may have to do some research on how to write the code required. There is code provided in the text book, but there is no guarantee that it will work exactly as provided.

This work is to be done on a Linux or UNIX based operating system computer. The files are c code compiled using gcc.

For both problems use a server port number of 2016. This is the port number that the server listens to for incoming connection requests and it is the port number that the client uses to contact the server. There may be a different port number shown in the code you find in the book or on line, so make sure that it is changed to 2016

Part 1 (20 pts) Chapter 1, problem 32 in the text. For your submission, upload your code to the **assignment titled Project 1a. For this part label your submitted code as client32.c and server32.c** Turn in on paper the answers to the questions posed in the problem. In addition to answering the questions in the problem, turn in a written explanation of what changes had to be made to the code to get it to work. You may have to do some research to get the client and server codes to work properly.

Part2 (20 pts) Chapter 1 problem 33 in text. For your submission, upload your code to the **assignment titled Project 1b. For this part label your submitted code as client33.c and server33.c** There is no paper to hand in for this part.

Some possible websites that may help:
http://www.beej.us/guide/bgnet/output/html/multipage/index.html
http://www.cs.rpi.edu/~moorthy/Courses/os98/Pgms/socket.html
http://www.linuxhowtos.org/C_C++/socket.htm
http://www.tutorialspoint.com/unix_sockets/socket_server_example.htm
http://www.tutorialspoint.com/unix_sockets/socket_client_example.htm
http://www.binarytides.com/server-client-example-c-sockets-linux/
http://www.binarytides.com/socket-programming-c-linux-tutorial/