Unx511/DPS912: Unix Systems Programming

Quiz 7

Consider the Client/Server model. We want to set up inter-process communications using sockets between a client process and a server process.

The following set of commands might or might not have anything to do with sockets. Please use them in your answers to the questions below:

accept(), bind(), connect(), dup(), fork(), getpid(), ioctl(), listen(), read(), socket(), write().

1. Please outline the steps involved in establishing a socket on the server side using the function calls above (4 steps). [4 marks]

2. Please outline the steps involved in establishing a socket on the client side using the function calls above (2 steps). [2 marks]

3. What command from the above set of commands does the server issue to send and receive data? [2 marks]

4. What command from the above set of commands does the client issue to send and receive data? [2 marks]