Jacob Steckel

CSC335

Homework #3

1. What happens if you execute TCPServer prior to TCPClient?

When executing the TCPServer before the TCPClient, a connection is made and you are able type something in the keyboard.

1. What happens if you exeeute TCPClient prior to TCPServer?   
     
   If you run TCPClient initially before running the TCPServer, the client will attempt to make a connection with a server process that does not exist. It attempts to initiate a TCP connection with the server. A TCP connection will not be made.
2. What happens if you execute UDPClient prior to UDPServer?  
     
   If you run the UDPClient before the UDPServer, the cliet will not initiate connections with the UDP server immediately opon execution because UDP is connectionless. Everything works fine, you first run the UDPClinet and then the UDPServer, and then are able to type something on the keyboard.
3. The command *netstat* can be used to display all networking connections on your machine. This command provides some options. When you execute step 1, you need to bring up another command prompt window and enter netstat command.   
     
   a. When you enter “*netstat*” only, what do you see?   
   When running “netstat” in the terminal it listed the active internet connections.  
     
   b. When you enter “*netstat –a*”, what do you see?  
   When running “netstat -a” in the terminal it listed the active internet connections including servers.
4. Bring up a web browser, and then enter any URL. Then bring up another command prompt window to check for all connections.   
     
   a. Can you find the connection associated with your web accessing?   
   I entered the WCUPA home page into the URL and was able to find the connection associated with the website.  
     
   b. What kind of connection is it, connection-oriented or connection-less?  
   The connection associated with the website was a TCP which is connection-oriented.  
     
     
   c. How do you know?   
   It is a TCP connection.