Question 1.

For specifying TCP sockets in Python, we need to put the SOCK\_STREAM for TCP connection inside the function.

Question 2

The main difference is that the sever socket only wait for the conversion which will initiated by the client socket. In other word, the server socket will just start at a port then listen for the connection without creating one. Whereas client socket will establish a conversation.

Question 3

We instruct the OS through using socket.SO\_REUSEADDR for reusing the local address

Question 4

The incoming connection will give the IP address and port number of the connection.

Question 5

Once it done sending the HTTP request, it will send out a close connection request and return the buffer size. In this case, it will return 1024.

Question 6

https://github.com/Ruilin-Ma/CMPUT404-Lab02