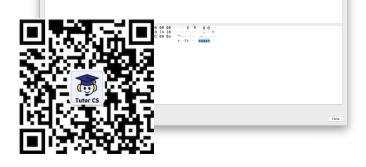# COMP Week 3 Socket Programming

In this lab, you are ___ the socket programming using Python 3. You aim is to learn the ___ eek 3.

1. In Windows ___ IDLE environment. (You need to choose IDLE for Python 3 ___
2. Copy and p ___ e slides and run the codes. (You may need to find out typos and make necessary changes in the code.)
3. In one computer, run both Client and Server (either UDP or TCP). You need to open two windows to run Client and Server respectively. (Should you run Server first or Client first?) Let the Client send messages to the server and watch the response from the Server. What 'hostname' do you need to specify in this scenario?
4. Work in a group of pairs if possible. One student runs Client and one runs Server. Here, you need to know the IP address of the Server first and then specify the IP address at the Client.
5. Use Wireshark to capture the packets communicated between the client and the server. For example, you may see the following captures when the client sends "aaaaa" and the server replies "AAAAA", using the TCP socket.

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