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Into. To Networking – Ex. 1

Q.1:

2. I've captured the packets via WireShark, and filtered them with:
   "`udp.port==12345 and ip.src==127.0.0.1`"
   (See Attached **trace1.pcapng**)

3. The Ports are specified in the following:

   client.py , Line 4
   the client file specifies the destination port (the port to which the server listens), which is bound to *12345* In wireshark, we can notice that the message packet (sent from client) holds a destination field which holds port 12345, as well as the automatically source port bound to client using the socket library.

   Server.py, Line 4
   Same as client.py, but the server listens to the port 12345 (source instead of destination).

   The Port is part of UDP in the Trasport (4th) layer of the OSI model.

Q.2:

   1. in **trace2.pcapng** you can see the different uses of the chat application.