CO324 Lab 04

E/14/158

Gihan Chanaka Jayatilaka

30/05/2018

1 Why doesn't datagram communication use Java's Input/Output streams?

The java IO streams are created with the idea that a data stream could be sent between two points. But UDP packets have no stream property. They are sent as induvidual packets.

2 Modify the code to calculate the throughput between client and server.

Done

3 Modify the client and server to calculate the average round-trip time (RTT) between client and server

Done

4 Run your RTT program with a large (more than 8 kb) packet size and see if you notice anything unusual.

The round trip time does not increase by 8 times.

5 What assumption(s) have you made in answering questions 2 3?

We have assumed that there are no packet losses.
The time taken in between adding time stamp and sending the packet, receiving packet and processing the timestamp against the current time.