**Report for Socket Programming Implementation**

**Section 2**

**Table 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Expression/Implementation | 1 + 1 | 5 + 5 | 20 + 20 | 50 + 50 |
| Overall delay (TCP), s | 10.31631 | 6.191849 | 6.00686 | 5.648902 |
| Overall delay (UDP), s |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Expression/Implementation | 1 + 1 | 5 + 5 | 20 + 20 | 50 + 50 |
| Achieved throughput (TCP), bps | 56 | 56 | 72 | 72 |
| Achieved throughput (UDP), bps |  |  |  |  |

We observe that the as the connection is established the overall delay in TCP connection decreases. This is the key feature of the TCP connection, as the connection is established the overall delay is decreased because the connection in TCP needed to be done once and then the communication goes on.

On the other hand, there is increase in the throughput gradually.