

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI
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Computer Networks Lab (CS 353): Lab 11/Assignment 9 (Graded)

1. Create a network of your choice. Create 3 TCP connections between between 2 clients and one server. Two of the TCP connections are between Client_1 and server, and the other connection is between the Client_2 and the server.

Record the following:

- ✓ Different metrics of TCP connection establishment process (three-way handshake) like connection identifiers, sequence numbers and acknowledgment numbers in SYN, SYN-ACK and ACK TCP segments.
- ✓ Compare the connection identifiers of 3 different TCP connections.
- ✓ Change the network scenario to simulate a connection failure by creating a link failure during the connection establishment process. Compare the connection identifiers, sequence numbers of the same connection after successful connection establishment.