CSCA 424: COMPUTER NETWORKS LAB

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Skills to be acquired:

- Practicing the different types Networking Concepts and Basic Communication model.

List of Exercises:

1. Write a program in Java for simplex communication using Connection Oriented service.

2. Write a program in Java for simplex communication using Connection Less service.

3. Write a program in Java for full duplex communication using Connection Oriented service.

4. Write a program in Java for full duplex communication using Connection Less service.

5. Implement an Unrestricted Simplex Protocol of Data Link Layer.

6. Implement A Simplex Stop-and-Wait Protocol of Data Link Layer.

7. Implement A Simplex Protocol for a Noisy Channel of Data Link Layer.

8. Implement the following Sliding Window Protocol:
   a. A One-Bit Sliding Window Protocol
   b. A Protocol Using Go Back N
   c. A Protocol Using Selective Repeat

9. Implement Multicast Routing of Network Layer.

10. Implement Transfer a File from one system to another system using FTP.