Computer Networking: Security
(CSE 3752)

Experiment 3

Aim:

Creating and implementing a user access list for permit and deny the remote hosts.

Objectives:

1. An overview on standard and extended access list.
2. Configuration and verification of a standard access list for permit and deny to a remote server.
3. Configuration and verification of an extended access list for permit and deny to a remote server (HTTP/FTP).

Exercises:

1. State the importance of Access Control List (ACL) in computer networking.
2. Differentiate the use of standard and extended ACL.
3. How does an ACL process traffic in a router? How would you apply an ACL to filter OSPF traffic?
4. What is the purpose of a "wildcard mask" in ACLs, and how does it differ from a subnet mask?