Assignment 6

Write a short summary on common factors like HTTP/S,FTP,TCP,UDP.

**HTTP / HTTPS (HyperText Transfer Protocol / Secure)**

* It is Used for accessing and transferring web pages on the internet.
* HTTP is unsecured, while HTTPS adds encryption using SSL/TLS to protect data.
* Used in browsing websites, submitting forms, online shopping.

**FTP (File Transfer Protocol)**

* Transfers files between computers over a network.
* FTP can be used with or without authentication (username/password).
* Used for uploading or downloading files from a web server.

**TCP (Transmission Control Protocol)**

* Ensures reliable, ordered, and error-checked delivery of data between applications.
* Web browsing, email, file transfers—where accuracy is important.

**UDP (User Datagram Protocol)**

* Sends data quickly without error-checking or guaranteeing delivery.
* Streaming videos, online gaming, VoIP—where speed matters more than reliability.