

Assignment – 06

*.HTTP: HTTP, or Hypertext Transfer Protocol, is the foundation of the World Wide Web, facilitating communication between web browsers and servers. It's an application layer protocol that uses a client-server model, where a client (like a web browser) sends a request to a server, and the server responds with data, such as HTML, images, or other resources.

*.HTTP/s:Hypertext Transfer Protocol Secure (HTTPS) is an extension of the Hypertext Transfer Protocol (HTTP). It uses encryption for secure communication over a computer network, and is widely used on the Internet.

*.File Transfer Protocol, is a standard network protocol used to transfer files between a client and a server over a TCP/IP network. It allows for uploading, downloading, renaming, and deleting files, and is often used for web developers and other professionals who need to manage files on remote servers. While convenient, FTP is not secure as it transmits data in plain text, making it susceptible to eavesdropping.

*.TCP:Transmission Control Protocol (TCP) is a communications standard that enables application programs and computing devices to exchange messages over a network. It is designed to send packets across the internet and ensure the successful delivery of data and messages over networks.

*.UDP:UDP is a part of the Internet Protocol suite, referred to as UDP/IP suite. Unlike TCP, it is an unreliable and connectionless protocol. So, there is no need to establish a connection before data transfer. The UDP helps to establish low-latency and loss-tolerating connections over the network. The UDP enables process-to-process communication.