## **Network Protocols**

### **HTTP (HyperText Transfer Protocol)**

* Used for browsing websites.
* Sends data between browser and website.
* **Not secure** – data is in plain text.  
   Example:<http://example.com>

### **🔸 HTTPS (HTTP Secure)**

* Secure version of HTTP with **encryption**.
* Protects data using SSL/TLS.
* Used in banking, logins, online shopping.  
   Example:<https://example.com>

### **🔸 FTP (File Transfer Protocol)**

* Used to **upload or download files** between computers over a network.
* Common in website management or file servers.  
   Example: Uploading files to a web server.

**TCP (Transmission Control Protocol)**

* Ensures **reliable and ordered** delivery of data.
* Used in emails, websites, file transfers.  
   Slower but accurate.

### **UDP (User Datagram Protocol)**

* Sends data **faster** but without checking for errors.
* Used in video streaming, online games, voice calls.  
   Fast but may lose some data.