1. Please break down the URLs listed below. (list-out Protocol, Domain, TLD) .

A. For Example:-

* <https://www.amazon.in/>
* <https://www.udemy.com/>
* <https://www.dashboard.pmjay.gov.in/>
* <https://www.gsrtc.in/>
* <https://www.mercedes-benz.co.in/>

Above all different example URL.

2. What is HTTPS/SSL Update?

A. **HTTPS/SSL Update** refers to updates and changes made to the security protocols used to establish secure communication between a web browser and a web server. Let’s break down the two main components:

**1. HTTPS (HyperText Transfer Protocol Secure)**:

* It is the secure version of HTTP, which is the protocol used for transferring data over the web.
* HTTPS ensures that data exchanged between a user's browser and a web server is encrypted and protected from interception, eavesdropping, and tampering.
* This is achieved by using an encryption layer (usually SSL/TLS) between the client (e.g., a web browser) and the server.

**2. SSL (Secure Sockets Layer) / TLS (Transport Layer Security)**:

* SSL was the original protocol used to secure communication. TLS is the more modern and secure successor to SSL.
* These protocols encrypt data in transit, ensuring that sensitive information (like passwords or credit card details) is not intercepted by unauthorized parties.
  + SSL certificates are installed on the server, and these certificates enable HTTPS connections between the browser and the server.

### What does an HTTPS/SSL Update mean?

* **Transition from older SSL versions to newer TLS versions**: Security updates to move away from deprecated SSL versions (e.g., SSL 2.0 and SSL 3.0) to newer versions of TLS (such as TLS 1.2 and TLS 1.3), which provide stronger encryption and improved security features.
* **SSL/TLS Certificate Renewal or Upgrade**: SSL certificates need to be renewed periodically, and newer versions of these certificates may support enhanced encryption algorithms or more robust security measures.
* **Browser and Server Compatibility**: The update could involve ensuring that both web browsers and servers support the latest encryption standards, keeping communications secure.

3. List out 10 famous browsers used worldwide.

A. Here are 10 famous web browsers that are widely use around the world:

For Exmaple:-

* Google Crome
* Mozilla Firefox
* Apple Safari
* Microsoft Edge
* Opera
* Brave
* Vivaldi
* Samsung Internet
* UC Browser
* Internet Explorer