

MODULE-1

Q-1) Please break down the URLs listed below. (list-out Protocol, Domain, TLD) . <https://www.flipkart.com/>

<https://www.irctc.co.in/>

<https://www.allegro.pl/>

<https://www.johnlewispartnership.co.uk/>

<https://www.uidai.gov.in/>

ANS-

Sure, here's the breakdown for each URL:

1. <https://www.flipkart.com/>

- Protocol: https
- Domain: flipkart
- TLD (Top-Level Domain): .com

2. <https://www.irctc.co.in/>

- Protocol: https
- Domain: irctc
- TLD: .co.in

3. <https://www.allegro.pl/>

- Protocol: https
- Domain: allegro
- TLD: .pl

4. <https://www.johnlewispartnership.co.uk/>

- Protocol: https
- Domain: johnlewispartnership
- TLD: .co.uk

5. <https://www.uidai.gov.in/>

- Protocol: https
- Domain: uidai
- TLD: .gov.in

Q-2) What is HTTPS/SSL Update?

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HTTPS (Hypertext Transfer Protocol Secure) is the secure version of HTTP, the protocol over which data is sent between your browser and the website you are connected to. The 'S' at the end of HTTPS stands for 'Secure,' indicating that all communications between your browser and the website are encrypted.

An SSL (Secure Sockets Layer) certificate is used to establish a secure encrypted connection between a web server and a browser. It ensures that all data transmitted between the server and the browser remains private and integral.

An HTTPS/SSL update could refer to various things:

1. **Updates to SSL/TLS Protocols:** These updates involve enhancements or changes to the SSL/TLS protocols themselves to improve security and performance.
2. **SSL Certificate Updates:** This could mean renewing SSL certificates before they expire, or updating them to use stronger encryption algorithms or longer key lengths for better security.
3. **Server Configuration Updates:** This involves updating server configurations to enforce the use of HTTPS, redirecting HTTP traffic to HTTPS, or implementing security features like HTTP Strict Transport Security (HSTS).
4. **Browser Updates:** Browsers periodically update their SSL/TLS implementation to support new standards and security measures. Users might need to update their browsers to ensure compatibility with the latest SSL/TLS protocols and security features.

Overall, HTTPS/SSL updates are essential for maintaining the security and integrity of websites and ensuring that data transmitted over the internet remains secure from eavesdropping and tampering.

Q-3) List out 10 famous browsers used worldwide.

ANS-

1. Google Chrome
2. Mozilla Firefox
3. Apple Safari
4. Microsoft Edge (formerly Internet Explorer)
5. Opera
6. Brave
7. Vivaldi
8. UC Browser
9. Samsung Internet
10. Tor Browser