Module 1 Assignment

Que-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/

Answer :--

URL: https://www,flipkart.com/

Protocol: https

Domain: flipkart

TLD (Top Level Domain): com

URL: https://www.irctc.co.in/

Protocol: https

Domain: irctc

TLD (Top Level Domain): co.in

URL: https://www.allegro.pl/

Protocol: https

Domain: allegro

TLD (Top Level Domain): pl

URL: https://www.johnlewispartnership.co.uk/

Protocol: https

Domain: johnlewispartnership

TLD (Top Level Domain): co.uk

URL: https://www.uidai,gov.in/

Protocol: https

Domain: uidai

TLD (Top Level Domain): gov.in

Que-2. What is HTTPS/SSL Update?

Answer :--

The HTTPS/SSL update refers to the process of transferring websites from the non-secure 'HTTP' protocol to the secure 'HTTPS' protocol. This relocation is performed by installing an SSL Certificate on a website server.

HTTPS :-

Hypertext transfer protocol secure (HTTPS) is the secure version of HTTP, which is the primary protocol used to send data between a web browser and a website. HTTPS is encrypted in order to increase security of data transfer. This is particularly important when users transmit sensitive data, such as by logging into a bank account, email service, or health insurance provider.

Any website, especially those that require login credentials, should use HTTPS. In modern web browsers such as Chrome, websites that do not use HTTPS are marked differently than those that are. Look for a padlock in the URL bar to signify the webpage is secure. Web browsers take HTTPS seriously; Google chrome and other browsers flag all non-https websites as not secure.

SSL:-

SSL, or Secure Sockets Layer, is an encryption -based Internet security protocal. It was first developed by Netscape in 1995 for the purpose of ensuring privacy, authentication, and data integrity in Internet communications. SSL is the predecessor to the modern TLS encryption used today.

SSL Important :-

Originally, data on the Web was transmitted in plaintext that anyone could read if they intercepted the message. For example, if a consumer visited a shopping website, placed an order, and entered their credit card number on the website, that credit card number would travel across the Internet unconcealed.

SSL was created to correct this problem and protect user privacy. By encrypting any data that goes between a user and a web server, SSL ensures that anyone who intercepts the data can only see a scrambled mess of characters. The consumer's credit card number is now safe, only visible to the shopping website where they entered it.

SSL also stops certain kinds of cyber attacks: It authenticates web servers, which is important because attackers will often try to set up fake websites to trick users and steal data. It also prevents attackers from tampering with data in transit, like a tamper-proof seal on a medicine container.

Que-3. List out 10 famous browsers used worldwild.

Answer :-

There are 10 famous browsers used worldwild

1. Opera
2. Safari
3. Epic
4. Waterfox
5. Google chrome
6. Microsoft edge
7. Mozilla firefox
8. Mullvad browser

9. Duckduck go
10. Lifewire