

Basics of Web:

Define Web?

Collection of e-resources is called web. Sir Tim Berners-Lee invented the World Wide Web in 1989.

Define W3C?

World Wide Web Consortium, It is an organization to maintain web standards, It was founded by Tim Berners-Lee @ 1994.

Define INTERNET?

INTERNational NETwork

OR

INTERconnected NETwork

OR

A network of networks based on the TCP/IP communications protocol. Father of Internet is Dr. Vint Cerf.

Define TCP?

Transmission Control Protocol

OR

It is connectivity between computers in a NETWORK(LAN). That facilitates the exchange of messages.

Define IP?

Internet Protocol

OR

It is connectivity between networks (WAN)

Define Protocol?

Collection of rules between sender & receiver

OR

It is a standard set of rules that allow electronic devices to communicate with each other.

Define Email/WebMail?

It is a method of exchanging messages between people using electronic devices.

OR

Webmail is a way of sending and receiving emails from a web browser.

Mail communications are classified into the following two types:

1. Online Mail Communications
2. Offline Mail Communications

1. Online Mail Communications

These are popularly known as web mails. First web mail concept developed by an Indian Mr. Sabeer Bhatia, ie. <https://www.hotmail.com>

Example:

Gmail, YahooMail, Hotmail, AOL Mail, GMX Mail, Outlook.com.....!!

2. Offline Mail Communications

These are popularly known as POP mails. POP stands for Post Office Protocol. These are special softwares.

Example:

MSOutlookExpress

MozillaThunderBird

PoP3 Server.

Define SMTP?

Simple Mail Transfer Protocol.

OR

Cross mail domain communications

Define MIME?

Multipurpose Internet Mail Extensions

OR

It is an Internet standard that extends the format of email messages, like pictures, audio, video, and various types of documents and files in the e-mail. It supports UNICODE format Data..!!

Define HTTP/HTTPs

HTTP:

Hypertext Transfer Protocol.

HTTP transmits the data over port number 80.

No Data Encryption

Google does not give the preference

HTTPS:

Hypertext Transfer Protocol Secure.

HTTPS transmits the data over port number 443

SSL that provides the encryption of the data.

Google gives preferences to the HTTPS

URL

URN==> Uniform Resource Name

URI ==> Uniform Resource Identifier

URL ==> Uniform Resource Locator

It is a unique address to identify a person or an organization in the World Wide Web

Example:

https://www.naresit.com

http ==> Hyper Text Transfer Protocol (Common Language between Client & Server)

S ==> SSL ==> Secure Sockets Layer.

:// ==> Delimiters

www ==> Default Domain or Sub Domain

. ==> Period or Embedded Character

nareshit ==> Primary Level Domain (PLD)

com ==> Top Level Domain (TLD)

Web Browser

It is client side light weight software, it takes http request from client to server, It renders(bring) http response from server to client.

1. Google Chrome
2. Mozilla Fire Fox Browser
3. EDGE Browser
4. OPERA Browser
5. APPLE SAFARI Browser
6. Torch
7. Lion

WebPage:

It is e-document developed on HTML. It is classified into the following two types:

1. Static Web Pages

These are written in languages such as: HTML, CSS, JavaScript,etc.

2. Dynamic Web Pages

These are written in languages such as:JSP, CGI, AJAX, ASP, PYTHON, etc.

WebSite

Collection of web pages is called website.

Full Stack

A full stack means combination of client and server technologies.

FullStackDeveloper/Ninja Programmer