

# Evolution of the Internet and World Wide Web



# Internet

Internet is a network of Computers which links many different types of computer all over the world.

- History of Internet
- Basic Services

# History of Internet

- In 1960's -----ARPA(Advanced Research Projects Agency)
- Internet evolved from the basic idea of ARPANET for inter connecting computers.
- Initially used in the organization and universities to share the information

# History of Internet<sub>(continuation)</sub>

- In 1989, Internet available for Commercial purpose.
- As of January 2021 there were 4.66 billion active internet users worldwide - 59.5 percent of the global population. Of this total, 92.6 percent (4.32 billion) accessed the internet via mobile devices.

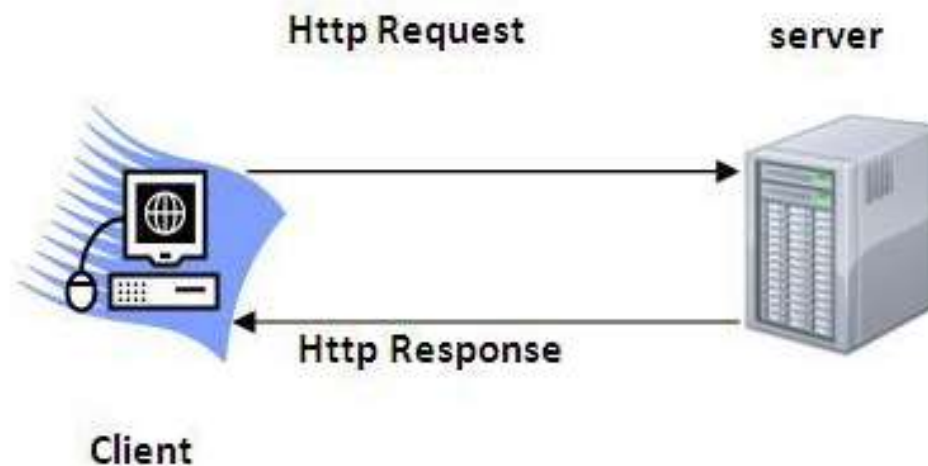
# Basic services provided by Internet

- **E-mail:** Electronic mail (email or e-mail) is a method of exchanging messages ("mail") between people using electronic devices.
- **FTP:** File transfer protocol is a way to download, upload, and transfer files from one location to another on the internet and between computer systems.
- **Telnet:** Telnet enables a user to manage an account or device remotely. ... For example, a user may telnet into a computer that hosts their website to manage his or her files remotely.

# Basic services provided by Internet(continuation)

- **HTTP: (Hypertext Transfer Protocol)**

It's a protocol that allows communication between different systems. Most commonly, it is used for transferring data from a web server to a browser to view web pages.



- The two most common **HTTP request types (also known as request methods)** are **get** and **post**.
- A get request typically gets (or retrieves) information from a server, such as an
- A post request typically posts (or sends) data to a server. Common uses of post requests are to send form data or documents to a server.

- **TCP** stands for **Transmission Control Protocol** a communications standard that enables application programs and computing devices to exchange messages over a network. It is designed to send packets across the internet and ensure the successful delivery of data and messages over networks.



# WWW(World Wide Web)

- An information system on the internet which allows documents to be connected to other documents by hypertext links, enabling the user to search for information by moving from one document to another.
- Berners Lee is the father of WWW

# Web page

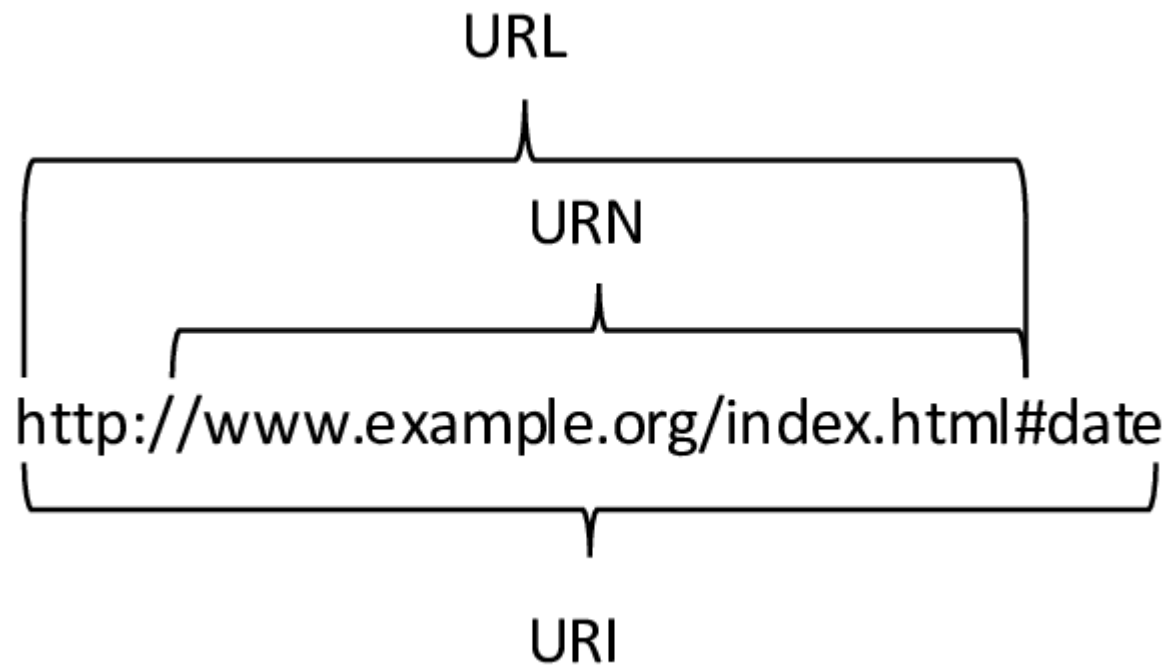
- **A document which can be displayed in a web browser** such as Firefox, Google Chrome, Opera, Microsoft Internet Explorer, etc..
- It is designed by using
  - HTML
  - Javascript
  - XML



# Web site

- It is Collection of interlink web pages
- Web site is Accessed through URL





# Web site<sub>(Continuation)</sub>

- Web sites are categorized into
  - Personal Website
  - Commercial Website
  - Govt. Website
- There are 2 types of Websites
  - Static
  - Dynamic

# Web Application

- A web application (or web app) is application software that runs on a web server.
- 2 types of Web Applications
  - Service Oriented
  - Presentation Oriented

Thank You