Introduction Web Design

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Internet VS. Web

- **World Wide Web**: which is also known as a Web, is a collection of websites or web pages stored in web servers and connected to local computers through the internet.

- **Internet**: A physical network of networks connecting billions of computers and other devices using common protocols TCP/IP for sharing and transmitting information.

Web Connecting People

Internet Connecting Computers

Internet VS. Web

- The Internet is *hardware* while the *World Wide Web (www)* is software.
- The *World Wide Web* is an application uses the *Internet* to transmit information like: Sending e-mail.

Web Pages (Sites)

- The building blocks of the Web are web pages which are formatted in HTML and connected by links called "hypertext" or hyperlinks and accessed by HTTP.

- A web page is given an online address called a Uniform Resource Locator (URL). A particular collection of web pages that belong to a specific URL is called a website, e.g., www.facebook.com, www.google.com, etc.

- **URL** is the global address of documents and other resources on the World Wide Web.
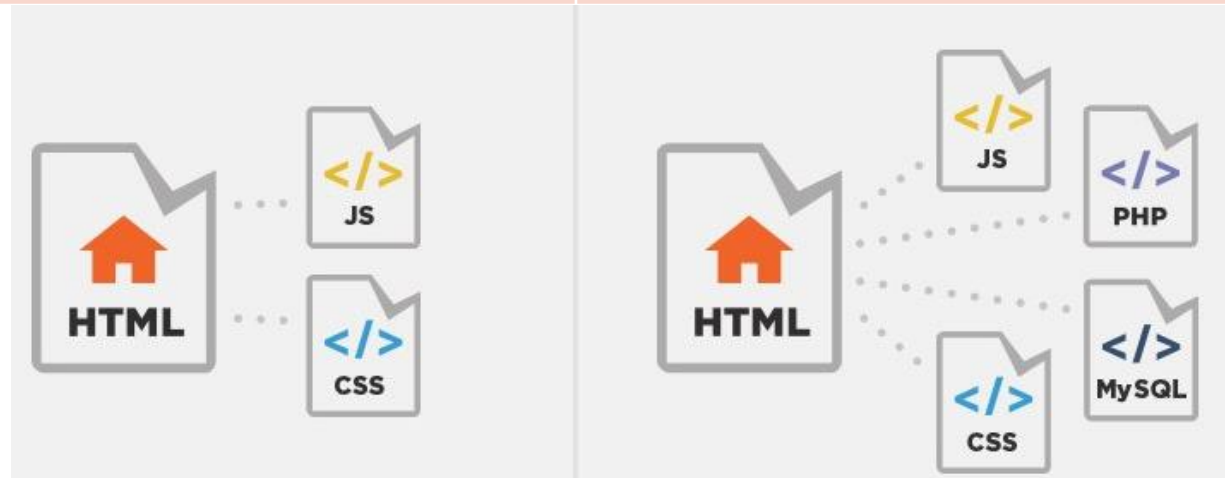

- The main purpose of URL is to *identify the location of a document and other web resources available on the Internet, and specify the mechanism for accessing it through a web browser*

Types of Websites

Infopreneur Website

E-Commerce Websites

Business Website

Educational Websites

Portfolio Website

www

Nonprofit Website

Media Websites

www.educba.com

Static Websites vs. Dynamic Websites

Static Websites	Dynamic Websites
Content is fixed and each page is coded in plain HTML and CSS	Content is dynamic which changes according to user's preferences
Displays the same design and content to every user who visits the website	Offers a unique mix of dynamic content , multimedia elements and interactive features
Updates can be tedious and prone to error	Design updates can be much simpler
More control and flexibility as each page design is unique	User has complete control over updating the design and changing the content
Plain HTML is required to create static pages	PHP, JavaScript, ASP, and JSP can be used to create dynamic pages

Web Development Road Map

HTML: It is used to build the skeleton for your website

CSS: It is used to give the styling for your website

Bootstrap: a simple CSS framework to make the style of the website more attractive.

JavaScript: JS is used to add functionality and behavior in your website

MySQL: MySQL is a relational database management system based on SQL. Used for creating the database of the website

PHP : PHP is a scripting language is used to work on the elements in the databases and forms of a web page