

Examrace

World Wide Web Computer Science YouTube Lecture Handouts

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Topics:

1. Introduction on WWW
2. History of WWW
3. Benefits
4. Working of WWW
5. Web browser
6. Web Server
7. Website and Home page
8. URL and Search Engine
9. Widely used search tools
10. Types of websites
11. Web 2.0
12. Components of WWW
13. Web Publishing
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Introduction on WWW

- It stands for World Wide Web.
- It refers to the collection of information that is accessible on internet.
- The information can be in form of text, voice, audio, video, images etc.
- The page where entire data or information displayed is called as **web page**.
- The collection of web pages is called as **website**.
- The websites are displayed with the help of URL i.e.. name/domain like: www.abc.com
- The **URL (uniform resource locator)** can be used on web browser.
- The web is very useful service on internet.
- The WWW is a system of interlinked, hypertext documents accessed via the **internet**.
- With the help of **web browser** a user can view the web pages (website) .

History of WWW

- It was created in **1989 by the Englishman named as Sir Tim Berners Lee** and the Belgian Robert Caililau working at CERN (European Council for Nuclear Research) – Particle Physics Laboratory in Geneva, Switzerland.
- On 30 April 1993, CERN put the WWW software in the public domain. Later, CERN made a release available with an open licence, a more sure way to maximize its dissemination.
- Tim moved from CERN to the Massachusetts institute of Technology in 1994 to found the W.W.W Consortium (W3C) , an international community devoted to developing open web standards.
- Established as a common language for sharing information on computers.

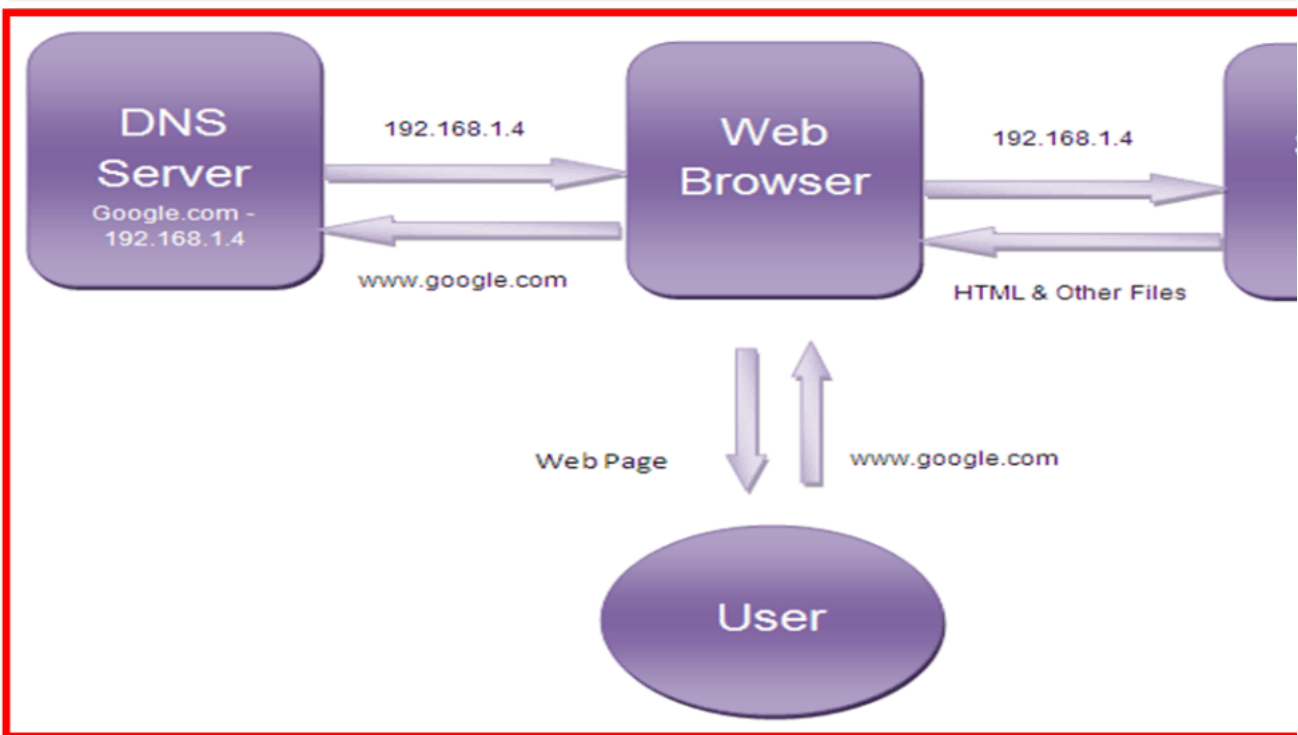
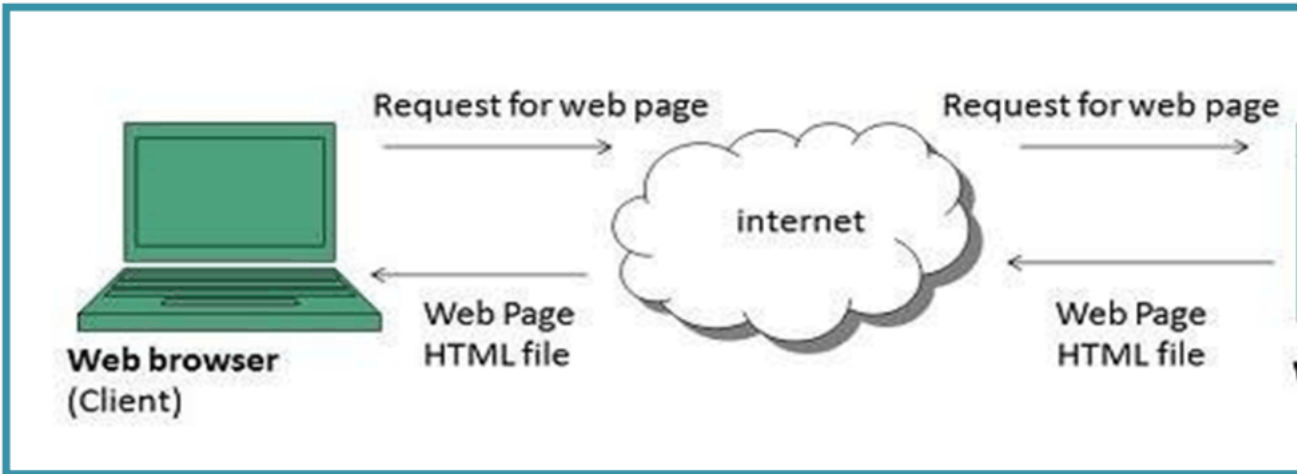
Benefits

The development of the WWW changed the world we live in. Since its introduction 25 years ago personal and professional lives have never been the same.



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Working of WWW



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Web Browser

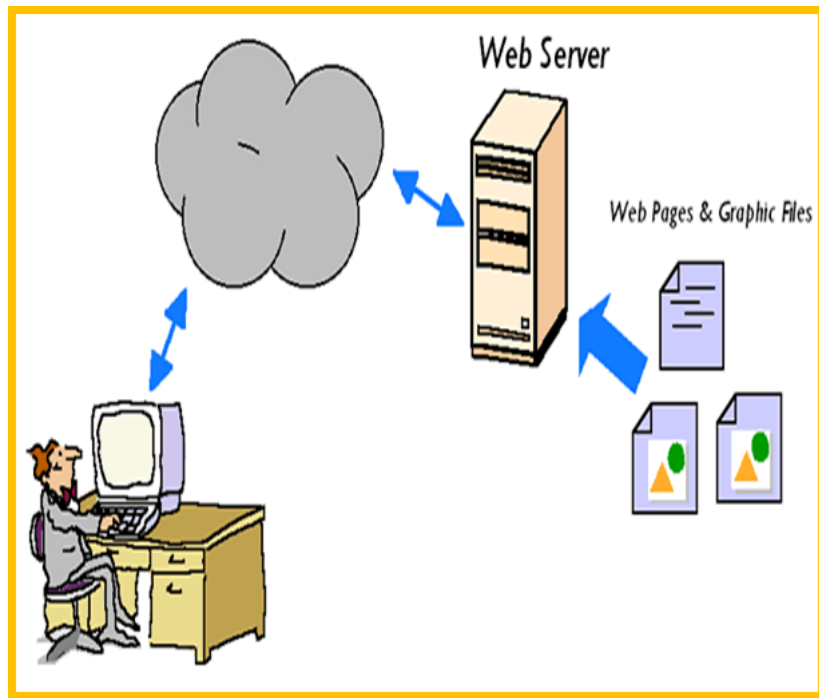
A web browser displays a web document and enables users to access web documents. It is a software application used for retrieving, presenting and traversing information resources on the W.W.W.



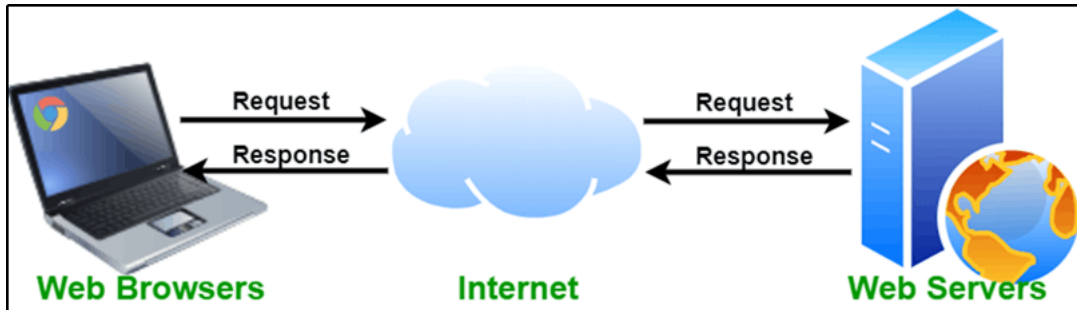
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Web Server

This is a program that waits patiently for the browser to request a web page. The server looks for the requested information, retrieves it and sends it to the browser or sends an error message if the file is not found which is requested by the client or user.



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Website and Home Page

The screenshot shows a professional job portal website. At the top, there is a navigation bar with the logo "JOB Portal" and the tagline "Your Key to Success". The navigation menu includes links for Home, Employer, Our Career, About Us, Help, Register, and More Search Options. A secondary navigation bar for Recruiters offers "Log in" or "Find out more".

The main content area features a large, diverse group of people representing various professions, including construction workers, students, healthcare professionals, and business executives. Below this image is a search section with two input fields: "Enter keywords" and "Enter Locations (country, city, zip code)", along with a "Search" button and a "Search Title Only" checkbox. There are also links for "US Job Search" and "More Search Options".

The page is divided into four main content columns:

- World Job:** A yellow column with a world map icon and a "More Info" button.
- Career Advice:** A red column with a list of placeholder text items and a "More Info" button.
- Last Job Articles:** A green column with a list of placeholder text items and an "All Articles" button.
- Sign Me Up:** A grey column with a "Your E-mail Address" input field and a "Submit" button.

At the bottom, there are four smaller sections: "Job seekers", "CareerBuilder", "Market Yourself", and "Partner Sites", each containing placeholder text and a "More Info" button.



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URL & Search Engine

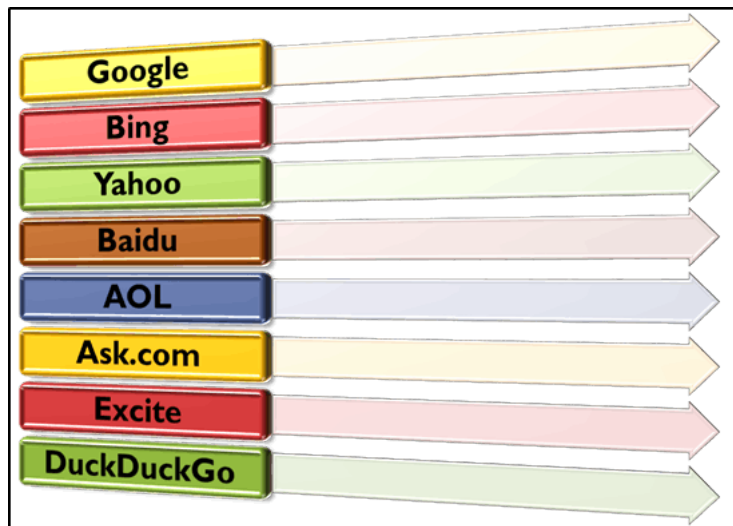
URL

URL stands for uniform resource locator. These are the web addresses. The resource locator is an addressing system.

Search Engine

To retrieve the relevant information in the form of text, images and videos, we need a special software called a search engine. When we do not need the exact URL of the website then we can type the required name of the website on search engine. It will search same type of websites containing same query string.

Widely Used Search Tools



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Types of Websites



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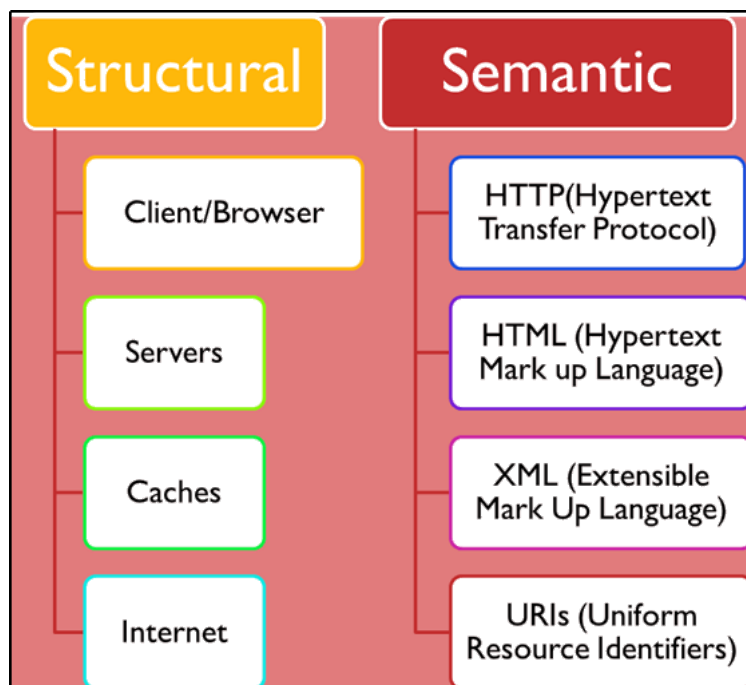
Web 2.0

It is the second generation of W.W.W. It refers to the features of the W.W.W. that enables people to collaborate and share the information online. There are various tools and platforms that are provided by this service.

Examples:

- Social Networking Websites, YouTube etc.
- Image sites like Picasa, flicker etc.
- Blogging websites like blogger. com, wordpress. com etc.

Components of WWW



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Web Publishing

It is the development and maintenance of web pages.

1. Plan a website
2. Analyse and design a web site
3. Create a web site
4. Maintain a website

MCQs

Q 1. What is the acronym for Google?

Options:

1. Global Organization of Oriented Group Language of Earth
2. Global Org. of Oriented Group Language of Earth
3. Global Organization of Origin of Group Language of Evaluation
4. Global Organization of Open Group Language of Earth

Answer: 1

Q 2. Which of the following is NOT a Search Engine?

1. Google
2. Chacha. com
3. Ask. com
4. Bong. com

Options:

1. (1) and (2)
2. (2) and (4) only
3. (4) only
4. All of the above

Answer: 3

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✉ Mayank

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