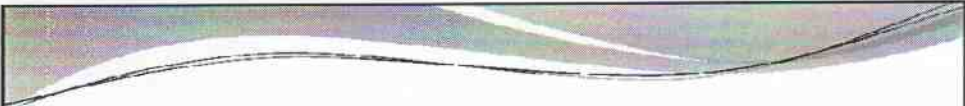




THE INTERNET

The World Wide Web



THE WORLD WIDE WEB

- The World Wide Web is a network of documents that works in a **hypertext** environment, using text that contains links to other documents.

THE WORLD WIDE WEB

- It is a method of posting and accessing interactive multimedia information, that is, information which includes not only texts and images, but also video and sound. It has become a real information highway.

THE WORLD WIDE WEB

- The files, **web pages**, are stored in computers, which act as servers.
- The web pages are organized in **websites**, groups of pages located on the Web, maintained by a **Webmaster**, that is the manager of a website.

THE WORLD WIDE WEB

- The terms Internet and World Wide Web are often used in every-day speech without much distinction. However, they are not one and the same.
- The Internet is a global data communications system. It is a hardware and software infrastructure that provides connectivity between computers.

THE WORLD WIDE WEB

- The Web is one of the services communicated via the Internet. It is a collection of interconnected documents and other resources, linked by hyperlinks and URLs.

THE URL

- Each web page or website is given an address. Technically, this address is called the URL.
- When you type a URL in the address box or click on a link
 1. The browser (a specific program which function as a gateway to all the information on the Internet) sends a request for that page over the Internet

THE URL

2. Your server uses the URL to find the server containing the page and ask it for a copy
3. The server containing the page receives the request, finds the page and sends a copy of it over the Internet and back to your computer.
4. When your computer receives the data, the browser displays the page in your browser window.

THE URL

- Viewing a Web page on the World Wide Web normally begins by typing the URL of the page into a Web Browser.
- <http://www.cup.org/education/sample.htm>
- [http://](#) indicates the type of **protocol** that the server and browser will use to communicate. Here it is Hypertext Transfer Protocol
- [www.](#) Shows that it is a resource on the World Wide Web

THE URL

- [cup.org](#) is the **domain name** of the web server that hosts the website
- [Education](#) is the **path**, the place where a web page is located
- [sample.htm](#) is the **filename** or name of a single web page.
- The different parts are separated by full stops (.) and forward slashes (/). When we say a URL, we say **dot** (.) and **slash** (/).

THE WORLD WIDE WEB

- To find interesting sites you can use search engines, where the website information is compiled by spiders, computer-robot programs that collect information from sites by using keywords or through web indexes, subject directories that are selected by people and organized into hierarchical subject categories.

THE WORLD WIDE WEB

- Some web portals, websites that offer all type of services, e.g. email, forums, search engines and so on, are also good starting points.



THE WORLD WIDE WEB

- You can store the most relevant websites addresses in your computer using the **bookmarks** or **favourites** function in your browser.
- Using the World Wide Web you can, among the other things,
 1. Create and access **weblogs**
 2. Use **e-learning**, education via the web
 3. Do **online shopping (e-commerce)**