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INFORMATION AND COMMUNICATION TECHNOLOGY SKILLS

Class IX , Ch-3 Information and Communication Technology Skills: I (IT #402)

Session 8: Communication and Networking — Internet Browsing

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Learning outcome of this Session

The students will be able to:

- Describe the meaning of World Wide Web;
- Identify the parts of a web browser; and
- Use a web browser to search for information on the Internet

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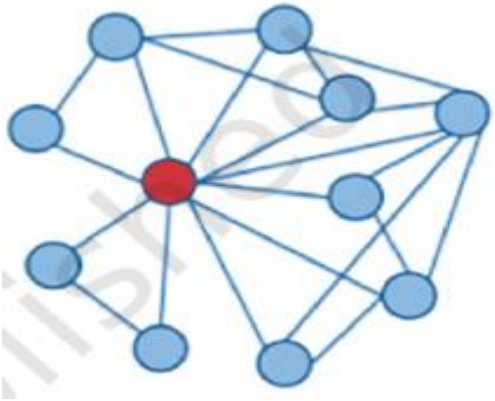
World Wide Web

The **World Wide Web (WWW)** or simply the Web is a huge collection of information. It is a vast network of linked hypertext files, stored on computers throughout the world, that can provide a computer user with information on a huge variety of subjects. It serves as a platform through which users can use or share information.



Symbolic Representation of World Wide Web (WWW)

- World Wide Web is a collection of webpages found on the network of computers or internet.
- It is a system to transfer information between the web browser and the web pages.
- Hyper Text Markup Language (HTML) is the publishing format for the web.

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Web Page

- A web page is a document present on a computer that is connected to the Internet. There are hundreds of web pages. Each web page has a unique address/location like the address of a house. The Uniform Resource Locator (URL) is a kind of 'address' that is unique to each resource on the web. It could be the address of a webpage or an image file. For example, the URL of National Council of Educational Research and Training (NCERT) is http://ncert.nic.in.

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Web Browser

- A web browser (commonly referred to as a browser) is a software application for using and sharing information on the World Wide Web.

Mozilla Firefox	Google Chrome	Internet Explorer	Apple Safari	Opera

Web Browsers

Web Browser

Parts of a Web Browser

a) **Hyperlinks:** Very often, there are hyperlinks (highlighted and underlined words) present on web pages. If you click a hyperlink, it will take you to another part on the same page or to a different page.

b) **Important parts of a web browser:**

i. **Address bar (Alt+d):** You can type the address/URL of a web page in this box and press Enter. The browser will display the page linked to that URL.

ii. **Tabbed browsing (Ctrl+T**): Tabbed browsing allows a user to view multiple pages in the same window. So if you want to compare two types of plants, for example, trees and shrubs, you can open the two in two different tabs.

iii. **Back and forward buttons (Alt+Left or right arrow keys)**: These buttons allow you to go back to the last page viewed, or go forward to the next page viewed. For example, in the previous example, if you click 'Back' arrow on the 'Flowers' page it will take you back to the 'Table of Content'.

iv. **Refresh button (F5)**: Sometimes, you do not see the complete page correctly. You can reload the page b**Steps to browse a web page**y clicking the Refresh button.

v. : Open a web browser, such as Internet Explorer or Google Chrome.

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To search for information, follow the given steps:

- Type http://google.co.in in the address bar
- Type ‘best hill station in India’ in the Google search bar
- Press **Enter**
- Scroll the screen and click on the link for the page you want to see.

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A Quick Recap Of This Session

In this session, you have learnt about uses of a web browser on the Internet and you have also learnt about the parts of a web browser.

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Home Assignment

A. Multiple choice questions

1. What do I need to get information from the World Wide Web?
   a) Computer
   b) Browser
   c) Internet Connection
   d) All of the above
2. Which of the following is a web browser?
   a) Internet
   b) Chrome
   c) Windows
   d) None of the above

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Home Assignment

B. Short answer question

1. List the steps to search for information using a web browser.

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