
SECTION 1 HTML (HYPERTEXT MARKUP LANGUAGE)

Structure

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1.0 BASICS OF HTML

Web pages or materials in the form of hypermedia documents accessed through the Internet can be located anywhere in the world.

No matter where they originated, most Web documents are created using Hypertext Markup Language (HTML). HTML is a powerful authoring language and has different versions like HTML 4.2, HTML 4.0, HTML 3.2, HTML 3.0 and HTML 2.

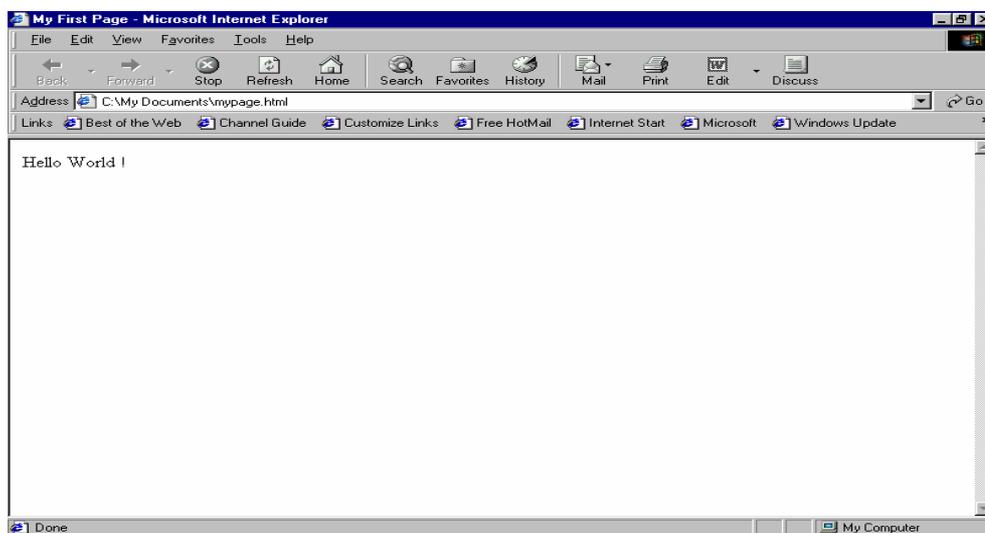
HTML is used to define document structure and format, with the help of a single tag or a pair of tags. A tag is a string in the language surrounded by a less than (<) and a greater than (>) sign. An opening tag does not begin with a slash (/). An ending or closing tag is a string that begins with a slash (/).

HTML documents format textual information with embedded markup tags that provide style and structure information. A whole document in HTML begins with <HTML> and ends with </HTML>.

1.1 HOW TO CREATE AN HTML DOCUMENT?

An HTML document can be created using any HTML editor or text editor like notepad etc.

1.2 STEPS FOR CREATING A SIMPLE HTML PROGRAM



1. Go to **Start -> Programs->Accessories->Notepad**.

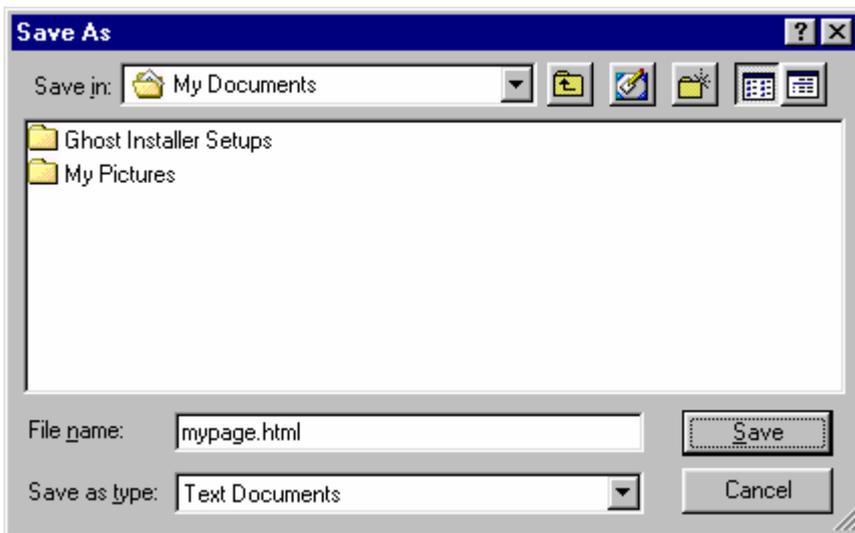
2. Begin with a document type tag and an <HTML> opening tag. Enter the following line in your doc.
<HTML>
3. Indicate that you are beginning the head element of a document by issuing the <HEAD> opening tag. If a <HEAD> element is included, it must appear within an <HTML> element. The following line should appear next in your document:
<HEAD>
4. The <TITLE> element is used to indicate the title of an HTML document. <TITLE> tags are placed within the head component of a document and the title is placed between the opening and the closing <TITLE> tags. Add the following <TITLE> element to your document.
<TITLE>My First Page</TITLE>
5. To end the head area issue a <HEAD> closing tag.
</HEAD>

Thus the <HEAD> element is nested within the <HTML> element.

6. At this point the body of the document is developed. A <BODY> opening tag indicates that this point has been reached. Enter the following line.
<BODY>
7. In the following example, the body of the document contains a simple text statement which you can now enter in your file:
Hello World !
8. A </BODY> closing tag marks the end of the <BODY> element. Similar to the Head element, the <BODY> element is also completely nested within the <HTML> element. To end the <BODY> element, issue the closing corresponding tag in your document.
</BODY>
9. Finally, terminate the <HTML> tag with </HTML> as shown below:

```
Untitled - Notepad
File Edit Search Help
<html>
<head>
<title>My First Page</title>
</head>
<body>
Hello World !
</body>
</html>
```

10. Save your document as mypage.html



11. To view the document open the .html document in the browser.

1.3 EXERCISES FOR PRACTICE IN LAB SESSION

SESSION 1

Exercises

1. Write HTML code to develop a Web page having the background in red and title "My First Page" in any other colour.
2. Create an HTML document giving details of your name, age, telephone number, address, TLC code & enrolment number aligned in proper order.
3. Write an HTML code to design a page containing text, in form of paragraphs giving suitable heading style.

SESSION 2

Exercises

1. Create a page to show different attributes of Font tag.
2. Create a page to show different attributes: italics, bold, underline.
3. Design a page having background colour yellow, giving text colour red and using all the attributes of font tag.

SESSION 3

Exercises

1. Write an HTML code to create a Web page of blue color and display links in red colour.
2. Write an HTML code to create a Web page that contains an image at its center.
3. Create a Web page with appropriate content and insert an image towards the left hand side of the page. When user clicks on the image, it should open another Web page.

SESSION 4

Exercises

1. Create a Web page using *href* attribute of anchor tag & the attribute: *alink*, *vlink* etc.
2. Create a Web page, wherein when the user clicks on the link it should go to the bottom of the page.
3. Write HTML code to create a Web page of pink colour and display a moving message in red colour.

SESSION 5

Exercises

1. Create a Web page, showing an ordered list of the names of five of your friends.
2. Create an HTML document containing a nested list showing the content page of any book
3. Create a web page, showing an unordered list of names of five of your friends.

SESSION 6

Exercises

1. Create a Web page, which should contain a table having two rows and two columns.
2. Fill in some dummy data in the table created by you in question 1 of this session.
3. Create the following table in HTML with Dummy Data

Name of train	Place	Destination	Train No.	Time		Fair
				Arrival	Departure	

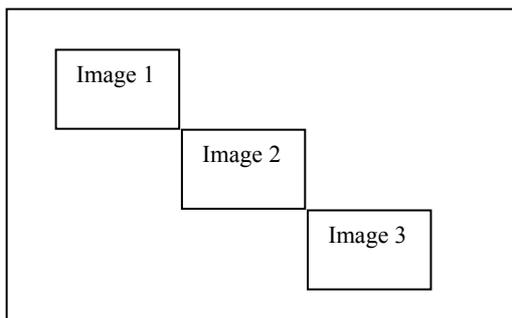
SESSION 7

Exercises

1. Create the following table

Colour (White)		
RED	GREEN	BLACK

2. Design an HTML Page having 3 images placed in the following format.



(Hint: Table can be used to align images)

3. Write HTML code to generate the following output:

Weather	DELHI	MUMBAI
	40	35

SESSION 8

Exercises

1. What are HTML Physical style tags and Logical style tags?
2. Which HTML tag allows you to scroll text on the Web page?
3. What is the comment tag in HTML?
4. Design an HTML Page for the “Block Introduction” of this book: The page should allow scrolling and the code should contain a comment header with your name and enrolment number.

SESSION 9

Exercises

1. What difference does it make if we express the width of a table in percentage or in pixel value? And how do we set the width of a particular column or cell in a table?
2. Write HTML code to generate the following output:

1	2	3	4
5	Image		6
7			8
9	10	11	12

3. Create a Web page that should contain a table having seven rows and four columns, along with the attributes – colspan & rowspan.

SESSION 10

Exercises

1. What are the different versions of HTML?
2. List 5 different HTML Editors.
3. What are the different image formats?