



CHAPTER 10: HTML-1 BASIC HTML ELEMENTS

HTML

Hyper Text markup language (HTML) is used to create web pages or web documents. It tells the web browser how to display text, pictures and links on the screen. HTML provides various markup elements. Using these elements we can specify various parts of a web page and formatting of web page. Basically HTML is used to design the layout of a document with hyperlink.

Elements of HTML:

HTML is made up of elements called Tags and Attributes.

Tags: A tag is coded HTML command within angular <> bracket. It is not case sensitive. There are two types of tags Empty tags and Container tags.

Attribute: An Attribute is a special word used inside tag to specify additional information of tag such as color, alignment etc.

Container and Empty Tags

There are two types of Tags – one that requires a starting as well as ending tag and another that requires just a starting tag and not an ending tag.

Container Tag: A container tags requires starting tag and as well as ending tag. Example: <Title>.....</Title>, <HEAD>.....</HEAD>

Empty Tag: Empty Elements have only a starting tag and no ending tag. e.g. <HR> inserts a horizontal rule and
 breaks a line.

Structure of HTML Document:

```
<HTML> // It identifies that the document is an HTML document.
<HEAD> // Head tag makes the header for document.
<TITLE> KVS </TITLE></HEAD> //contains the title which appears in the title bar of the web browser
<BODY> Kendriya Vidyalaya Sangathan </BODY> // The content written in BODY tag appears in
the windows. It contains many other tags.
</HTML>
```

Commonly used Empty tags:

<!...Comment..>

It is used to define comments in HTML. This can be viewed in the HTML but is not displayed in web browser.

Example: <!... This text to display in window....>

 Break Line

BR tag is used to break line. It displays remaining text in the next line.

Example: Kendriya Vidyalaya Sangathan
 New Delhi

<HR> Horizontal Ruler

HR tag is used to insert a Horizontal line across the browser window. The attributes of HR tag are size, width and color.

Example: <HR Size=10, Color= Red, Width 50%>

<BASEFONT>

This tag is used to define the default size of the font, where font is not defined. Attributes of <Basefont>

tags are size, face and color.



Example: <BASEFONT size=5 color= Green Face="Arial">

Commonly used Container tags

<HTML>....</HTML>

This tag is used to mark begin and end of HTML document. It may contain <Head> and <Body tag>.

Example: <HTML><HEAD> <TITLE> KVS </TITLE> </HEAD></HTML>

<TITLE>.....</TITLE>

It specifies the title and is displayed in the title bar of the web browser.

Example: <TITLE>Title of your webpage</TITLE>

<HEAD>.....</HEAD>

It is used to specify the document header. It contains information like title, style etc.

Example: <HEAD>Contains elements describing the document</HEAD>

<BODY>.....</BODY>

This tag is used to define the content of the documents. It may contain text, images, multimedia, tables, list, form etc. Attributes of <Body> tags are bgcolor, background, link, vlink, Alink, text, leftmargin, topmargin.

Example: <BODY>The content of your page</BODY>

<BODY bgcolor=Red" Text="green" link="red">

<BODY Background="picture path" Topmargin="70" Leftmargin=10 vlink="lime" alink="red">

<H1>.....</H1> to <H6>.....</H6>

It is used to specify the headings in a web page. In HTML there are six levels of heading (1 to 6).

<H1> is the largest and </H6> is the smallest size. Attribute of <H1> tags is align.

Example: <TITLE>Title of your webpage</TITLE>

< H1>Central Board of secondary Education</H1>

<H3 Align="Center">New Delhi</H3>

< P>.....</P>

To start a new paragraph. It specifies begin and end of the paragraph.

Example: This is an example displaying the use of the paragraph tag. <P> It will create a line break and a space between lines.

< IMG>.....

This tag is used to display images (.jpg, bmp, .gif etc) in web pages. Attributes of tag are src,

width, height, align, border.

Example:

<A>.....

It specifies Active link of the other web page. When mouse is roll over the text, the mouser pointer is automatically converted into the hand shaped cursor.

Example: Visit Our Site

Other tags:

..... : To make text bold

<I>.....</I> : To make text Italic

<U>.....</U> : To make text underline



Informatics Practices

- ^{.....}** : To make text in the form of superscript like 5⁴
_{....} : To make text in the form of subscript like CO₂
<CENTER>...</CENTER>: To make text centralized.

Logical and Physical Text Styles

HTML has two types of styles for individual word or sentences:

1. Logical Styles
2. Physical Styles

Logical Text Styles

Logical Text: Logical text Styles are general descriptions. Each browser handles a logical style in its own way.

<DFN>	:	For a word being defined. Typically displayed in italics.
	:	For emphasis. Typically displayed in italics.
<CITE>	:	For titles of books, films etc. Typically displayed in italics
	:	For strong emphasis. Typically displayed in bold.
<CODE>	:	For computer code. Displayed in a fixed width font.
<KBD>	:	For user keyboard entry. Typically displayed in plain fixed- width font.
<VAR>	:	For a variable, where you will replace the variable with specific Information typically displayed in italics.

Physical Text Styles

Physical Text styles indicate the specific type of appearance for a section e.g. , bold, italics etc.

	: Bold text
<I>	: Italic text
<U>	: underline text
<TT>	: type writer text (Fixed-width font)

Very Short Answer Type Question (1 Marks)

1. HTML tags must be written within_____.
2. What is the correct structure of HTML tags?
3. The IMAGE tag uses the _____ attribute to specify the URL of the image to be displayed.
4. Which tag is used to embed an image in an HTML document?
5. What is HTML?
6. What is the use of TITLE tag in HTML?
7. How to change the background color of the HTML page?
8. What are the different levels of Headings?
9. What is the use of
 tag ?
10. What all tags required in every HTML page?
11. Write the properties of tag.
12. Write the code in HTML to set color as Red and text " I am learning HTML" as blue.
13. How would you display title in your web page?
14. Write the code in HTML to set the image "Book. jpg" stored in ""Photos" folder in D; Drive as the background of your web page.



Informatics Practices

Short Answer Type Question (2 Marks)

1. What is use of comments? Which tag is used for comments?
2. Differentiate between container and empty elements.
3. What are logical and Physical Text Styles?
4. Differentiate between
 and <P> tag.
5. What is the use of tag? Also write its properties.