**HTML– Part 3**

1. **Basic html page tags explanation**
2. **Information mapped to Tags**

<!DOCTYPE html>

<html>

<head>

 <meta charset="utf-8" />

 <title> </title>

</head>

<body>

</body>

</html>

For html5

<! DOCTYPE html> - Used to specify version of html. Useful to html parser. Must be the first tag of html page. In this it is html5

For html4

<! DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" <http://www.w3.org/TR/html4/loose.dtd> >

For xhtml

<! DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" <http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd> >

Dtd: Document Type Definition

<html> </html> - used to specify start and end points of html page.

<head> ….</head> - encloses one or more tags related title, meta information about html page, seo information, instructions to web browser, script tags etc.

meta : data about data is called meta data.

<meta charset="utf-8" /> - specifies the character encoding for the HTML document (Unicode Transformation Format)

name = application-name/author/description/generator/keywords/viewport

 Defines a name for the metadata

content = value for above name attribute

Examples:

<meta name="keywords" content=" ">

<meta name="description" content=" ">

<meta name="author" content=" ">

<meta http-equiv="refresh" content=" ">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link rel=" " href=" "> : Link to an external files, they can be stylesheet, script files etc.

Examples :

<link rel="stylesheet" href="styles.css">

<base> - used to specify the base url

* <http://www.domainname.com>
* <https://www.domainname.com>
* <http://domainname.com>
* <https://domainname.com>

<title> title of the page based on the information in it </title>

* Comes in web browsers title area.
* Title text used by SEO, keep all your important words in the first 60 chars of the title. Rest of the words after 60 are ignored by SEO.

<style> </style> - used to include style information.

<script> </script>

<body> --- </body> -- the actual visible webpage, each tag of body tag is displayed in the client area of web browser.

|  |  |  |
| --- | --- | --- |
| S.No | Type of information | Html tag |
| 1 | Heading of information | <h1> ….</h6> - SEO  |
| 2 | Paragraph | <p>….</p> |
| 3 | Images | <img …..> |
| 4 | Hyper links | <a …> </a> |
| 5 | Important words | <strong>….</strong> |
| 6 | Audio content | <audio> |
| 7 | Video content | <video> |
| 8 | Emphasized text | <em> |
| 9 | marked/highlighted text  | <mark> |
| 10 | If not strong, em and mark then use bold | <b> |
| 11 | For list of items | <ul> <ol> <dl> |
| 12 | Data in table format – rows and columns | <table> |

Tags used to divide page into parts (container tags/layout tags):

|  |  |  |
| --- | --- | --- |
| S.No | Description | Html tag |
| 1 | to identify certain area / container | <div> |
| 2 | To control header area of page | <header> - logo, heading text, image |
| 3 | To control footer area of page | <footer> - copyright info, other links etc |
| 4 | To define set of links | <nav>…… </nav> |
| 5 | To create section of document | <section> …. |
| 6 | To define side content of page. | <aside> |

Note: for all the above visual styling is required.