

# Introduction to HTML

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# What is H.T.M.L?

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- HTML stands for **H**yper **T**ext **M**arkup **L**anguage
- It is used to present information in universal standard format for w.w.w.
- information formatted using HTML appears same on any device in any OS.
- A markup language is a set of **markup tags**.
- Markup tags are similar to command we use in DOS to perform particular task.
- **markup tags** describe different part of web pages using different formatting styles like paragraphs tables div bold italic underline etc.
- HTML is not a programming language, it is a **markup language**
- HTML makes it possible to present information on the Internet in universally accepted format.
- HTML is easy to learn and use

# What is html document?

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- Document which has html tags is html document.
- HTML documents are **web pages of web site** so it is also **called web pages**.
- It **has HTML tags**, plain text, images, video, script etc
- HTML documents extension can be .htm or .html.

# More about html tags

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- HTML documents has many html *tags*.
- **Each tag format information in special way in web page.**
- **It is given in angle brackets<> like <html>**
- It can **come in pairs** like <b> and </b>
- The first tag in a pair is the **start tag**, the second tag is the **end tag**
- Start and end tags are also called **opening tags** and **closing tags**.
- It can be short tag like <br/> which only start but do not complete.

# Structure of HTML

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`<html>`

`<html>` tag indicates that this web page is written in HTML.

`<head>`

`<title>` Title of the web page `</title>`

`<title>` tag contains the web page title.

`</head>`

`<head>` tag contains information about the web.

`<body>`

Content of the page.

`<body>` tag contains the content of the web page.

`</body>`

`</html>`

`</html>` marks the end of the web page.

# SO NOW LET US LEARN HTML TAGS PRACTICALLY

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```
<a name="internet"></a>
<table width="100%" border="0" cellpadding="0" cellspacing="0">
<tr>
<td height="50" width="600" colspan="2"><a href="http://www.internettechnology.org">
<td width="200" height="60" bgcolor="blue"><table width="200" border="0">
<tr>
<td><form name="login" method="post" action="">
<input type="hidden" name="action" value="login">
<table width="120" border="0" align="center" cellpadding="0" cellspacing="0">
<tr>
<td width="40" align="right">email<td>
<td colspan="2"><input name="login_name" type="text" value="">
```

# Meta tag

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- Metadata is data (information) about data.
- The <meta> tag provides metadata about the HTML document.
- Metadata will not be displayed on the page, but will be machine parsable.
- Meta elements specify page description, keywords, author of the document, last modified, and other metadata.
- It is used by browsers (how to display content or reload page), search engines (keywords), or other web services.
- let us see the meta tag in detail.

# Examples of meta tag

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- **Define keywords for search engines:**
  - `<meta name="keywords" content="HTML, CSS, XML, XHTML, JavaScript">`
- **Define a description of your web page:**
  - `<meta name="description" content="Free Web tutorials on HTML and CSS">`
- **Define the author of a page:**
  - `<meta name="author" content="Hege Refsnes">`
- **To refresh the webpage at given interval**
  - `<meta http-equiv="refresh" content="30">`



# Examples of meta tag

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- Example specifying the content type of the html web page
- `<meta charset="utf-8" />`
- Above meta tag should be used to put content in regional language in web page.