**HTML Basic**

- ✓ **HTML Fundamentals**
- ✓ **HTML Elements**
- ✓ **HTML Attributes**
- ✓ **HTML Headings, Rules, & Comments**
- ✓ **HTML Paragraphs**
- ✓ **HTML Text Formatting**
- ✓ **HTML Styles**
- ✓ **HTML Links**
- ✓ **HTML Tables**
- ✓ **HTML Lists**
- ✓ **HTML Forms & Input**
- ✓ **HTML 4.01 Quick List**

1. **HTML Fundamentals**

HTML Headings
<h1>This is Heading 1</h1>
<h2>Heading 2 is Smaller</h2>
<h3>Heading 3 is Smaller Still</h3>

**HTML Paragraphs**

<p>This is a paragraph.</p>
<p>This is a paragraph.</p>
<p>This is a paragraph.</p>

**HTML Links**

<a href="http://www.google.com"> Google</a>

**HTML Images**

<img src="image.jpg" width="104" height="142" />

2. **HTML Elements**

**HTML Element Syntax**

An HTML element starts with a start tag/opening tag.
An HTML element ends with an end tag/closing tag.
The element content is everything between the start and the end tag.

**Nested Elements**

<html>
<body>
<p>This is my first paragraph</p>

```
</body>
</html>
```
**Don't Forget the End Tag**

Most browsers will display HTML correctly even if you forget the end tag.
<p>This is a paragraph
<p>This is another paragraph

**Empty HTML Elements**
<br> is an empty element without a closing tag. It defines a line break.
In XML and future versions of HTML, all elements must be closed.
Adding a slash to the end of start tag, like <br/>, is the proper way of closing empty elements, accepted by HTML, and XML.
Even if <br> works in all browsers, writing <br/> instead is more future proof.
Use Lowercase Tags

**Use Lowercase tags**

HTML tags are not case sensitive: <P> means the same as <p>. Plenty of Web sites use uppercase HTML tags in their pages.

World Wide Web Consortium (W3C) recommends lowercase in HTML 4.

3. **HTML Attributes**

**Standard HTML Attributes**

**Attributes** provide additional information about HTML elements.

Defining Attribute Values
Attributes come in name/value pairs like: name="value".

HTML Attributes Reference

Attribute:-
Class
Id
Style
Title

<p><abbr title="World Health Organization">WHO</abbr> was founded in 1948.</p>
<p title=" Google search engine ">google.com</p>

4. **HTML Headings, Rules, & Comments**

**HTML Headings**

<h1>This is a Heading 1</h1>

<h2>This is a Heading 2</h2>
<h3>This is a Heading 3</h3>
<h4>This is a Heading 4</h4>
<h5>This is a Heading 5</h5>
<h6>This is a Heading 6</h6>

**HTML Rules (Lines)**

<p>The hr tag defines a horizontal rule:</p>
<hr />
<p>This is a paragraph</p>
<hr />
<p>This is a paragraph</p>
<hr />
<p>This is a paragraph</p>

**HTML Comments**

<!--This comment will not be displayed-->
<p>This is a regular paragraph</p>

**Viewing HTML Source Code**

5. **HTML Paragraphs**

**HTML Paragraphs**

<p>This is a paragraph.
<p>This is another paragraph.</p>

**HTML Line Breaks**

<p>This is<br />a para-<br />graph with line breaks</p>

6. **HTML Text Formatting**

**Text Formatting**

<p><b>This text is bold</b></p>
<p><strong>This text is strong</strong></p>
<p><big>This text is big</big></p>
<p><em>This text is emphasized</em></p>
<p><i>This text is italic</i></p>
<p><small>This text is small</small></p>

**Preformatted Text**

```
<pre>
for i = 1 to 10
print i
next i
</pre>
```

**"Computer Output" Tags**

```
<code>Computer code</code>
<br />
<kbd>Keyboard input</kbd>
<br />
<tt>Teletype text</tt>
<br />
<samp>Sample text</samp>
<br />
<var>Computer variable</var>
```

**Address**

```
<address>
Donald Duck<br>
BOX 555<br>
Disneyland<br>
USA
</address>
```

**Abbreviations and Acronyms**

```
<html>
<body>
<p  title="United Nations">UN</p>
<br />
<acronym title="World Wide Web">WWW</acronym>
<p>The title attribute is used to show the spelled-out
version when holding the mouse pointer over the acronym
or abbreviation.</p>
</body>
</html>
```

**Deleted and Inserted Text**

```
<p>
Most browsers will <del>overstrike</del> deleted text and
<u>underscore</u> text.
</p>
```

### 7. HTML Style Attribute

```
<h1>Look! Styles and colors</h1>
<p style="font-family:verdana;color:red">
This text is in Verdana and red</p>
<p style="font-family:times;color:green">
```

**Common HTML Styles**

```
<body style="background-color:gray">
<h2>Look: Colored Background!</h2>
```

### 8. HTML Links

HTML Links
Open a Link in a New Browser Window
Hyperlinks, Anchors, and Links
HTML Link Syntax
Links on the Same Page
Creating a mailto: Link
Creating an Image Link

**Open a Link in a New Browser Window**

```
<a href="lastpage.htm" target="_blank">Last Page</a>
```

**Links on the same page**

```
<p>
<a href="#C4">See also Chapter 4.</a>
</p>
<h2>Chapter 1</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 2</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 3</h2>
<p>This chapter explains ba bla bla</p>
<h2><a name="C4">Chapter 4</a></h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 5</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 6</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 7</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 8</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 9</h2>
```

```
<p>This chapter explains ba bla bla</p>
<h2>Chapter 10</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 11</h2>
<p>This chapter explains ba bla bla</p>
```

**Creating a mailto: Link**

```
<p>
This is a mail link:
<a href="mailto:someone@microsoft.com?subject=Hello%20
again">
Send Mail</a>
</p>
```

**Creating an Image Link**

```
<p>Create a link attached to an image:
<a href="default.htm">
<img src="smiley.gif" alt="HTML tutorial" width="32"
height="32" />
</a></p>
<p>No border around the image, but still a link:
<a href="default.htm">
<img border="0" src="smiley.gif" alt="HTML tutorial"
width="32" height="32" />
</a></p>
```

## 9. HTML Tables

A basic table includes the following tags:
Each table starts with a table tag.
Each table row starts with a tr tag.
Each table data (cell) starts with a td tag.
Table headings are defined with the <th> tag.

```
<h4>One column:</h4>
<table border="1">
<tr>
<td>100</td>
</tr>
</table>

<table border="1">
<tr>
<td>100</td>
<td>200</td>
<td>300</td>
```

```html
</tr>
<tr>
<td>400</td>
<td>500</td>
<td>600</td>
</tr>
</table>

<table border="1">
<tr>
<td>First</td>
<td>Row</td>
</tr>
<tr>
<td>Second</td>
<td>Row</td>
</tr>
</table>
```

**Cells Spanning Multiple Columns**

```html
<h4>Cell that spans two columns:</h4>
<table border="1">
<tr>
<th>Name</th>
<th colspan="2">Telephone</th>
</tr>
<tr>
<td>Bill Gates</td>
<td>555 77 854</td>
<td>555 77 855</td>
</tr>
</table>
<h4>Cell that spans two rows:</h4>
<table border="1">
<tr>
<th>First Name:</th>
<td>Bill Gates</td>
</tr>
<tr>
<th rowspan="2">Telephone:</th>
<td>555 77 854</td>
</tr>
<tr>
<td>555 77 855</td>
</tr>
</table>
```

**Cells padding**

```
<h4>Without cellpadding:</h4>
<table border="1">
<tr>
<td>First</td>
<td>Row</td>
</tr>
<tr>
<td>Second</td>
<td>Row</td>
</tr>
</table>
<h4>With cellpadding:</h4>
<table border="1" cellpadding="10">
<tr>
<td>First</td>
<td>Row</td>
</tr>
<tr>
<td>Second</td>
<td>Row</td>
</tr>
</table>
```

**Cells spacing**

```
<h4>Without cellspacing:</h4>
<table border="1">
<tr>
<td>First</td>
<td>Row</td>
</tr>
<tr>
<td>Second</td>
<td>Row</td>
</tr>
</table>
<h4>With cellspacing:</h4>
<table border="1" cellspacing="10">
<tr>
<td>First</td>

<td>Row</td>
</tr>
<tr>
<td>Second</td>
<td>Row</td>
</tr>
</table>
```

**10. HTML Lists**

Unordered Lists
Ordered Lists
Definition Lists
Nested Lists

**Unordered Lists**

<ul>
<li>Coffee</li>
<li>Tea</li>
<li>Milk</li>
</ul>

**Ordered Lists**

<ol>
<li>Coffee</li>
<li>Tea</li>
<li>Milk</li>
</ol>

**Definition Lists**

<dl> tag (definition list).
<dt> tag (definition term).

<h4>A Definition List:</h4>
<dl>
<dt>Coffee</dt>
<dd>Black hot drink</dd>
<dt>Milk</dt>
<dd>White cold drink</dd>
</dl>

**Nested lists**

<h4>A nested List:</h4>
<ul>
<li>Coffee</li>
<li>Tea</li>
<ul>
<li>Black tea</li>
<li>Green tea</li>
</ul>
</li>
<li>Milk</li>
</ul>

### 11. HTML Forms & Input

Forms
input Tag and Attributes
action Attribute
Form Examples

HTML forms are used to collect different kinds of user input. A form is an area that can contain form elements.
Form elements are elements that allow the user to enter information in a form (like text fields, text area fields, drop-down menus, radio buttons, check boxes, and so on).

```
<form name="input" action="html_form_action.asp" method="get">
Type your first name:
<input type="text" name="FirstName" value="Mickey" size="20">
<br>Type your last name:
<input type="text" name="LastName" value="Mouse" size="20">
<br>
<input type="submit" value="Submit">
```

### 12. HTML 4.01 Quick List

**HTML Basic Document**
```
<html>
<head>
<title>Document name goes here</title>
</head>
<body>
Visible text goes here
</body>
</html>
```

**Heading Elements**
```
<h1>Largest Heading</h1>
<h2> . . . </h2>
<h3> . . . </h3>
<h4> . . . </h4>
<h5> . . . </h5>
<h6>Smallest Heading</h6>
```

**Text Elements**
```
<p>This is a paragraph</p>
<br /> (line break)
<hr /> (horizontal rule)
<pre>This text is preformatted</pre>
```

**Logical Styles**
```
<em>This text is emphasized</em>
<strong>This text is strong</strong>
```

```
<code>This is some computer code</code>
```

**Physical Styles**
```
<b>This text is bold</b>
<i>This text is italic</i>
```

**Links, Anchors, and Image Elements**
```
<a href="http://www.example.com/">This is a Link</a>
<a href="http://www.example.com/"><img src="URL"
alt="Alternate Text"></a>
<a href="mailto:webmaster@example.com">Send e-mail</a>
A named anchor:
<a name="tips">Useful Tips Section</a>
<a href="#tips">Jump to the Useful Tips Section</a>
```

**Unordered (Bulleted) List**
```
<ul>
<li>First item</li>
<li>Next item</li>
</ul>
```

**Ordered (Numbered) List**
```
<ol>
<li>First item</li>
<li>Next item</li>
</ol>
```

**Definition List**
```
<dl>
<dt>First term</dt>
<dd>Definition</dd>
<dt>Next term</dt>
<dd>Definition</dd>
</dl>
```

**Tables**
```
<table border="1">
<tr>
<th>someheader</th>
<th>someheader</th>
</tr>
<tr>
<td>sometext</td>
<td>sometext</td>
</tr>
</table>
```

**Frames**
```
<frameset cols="25%,75%">
```

```
<frame src="page1.htm">
<frame src="page2.htm">
</frameset>
```

**Forms**
```
<form action="http://www.example.com/test.asp" method="post/
get">
<input type="text" name="lastname" value="Nixon" size="30"
maxlength="50">
<input type="password">
<input type="checkbox" checked="checked">
<input type="radio" checked="checked">
<input type="submit">
<input type="reset">
<input type="hidden">
<select>
<option>Apples
<option selected="selected">Apples</option>
<option selected>Bananas
<option selected="selected">Bananas</option>
<option>Cherries
<option>Cherries</option>
</select>
<textarea name="Comment" rows="60" cols="20"></textarea>
</form>
```

**Entities**
```
&lt; is the same as <
&gt; is the same as >
&#169; is the same as ©
```

**Other Elements**
```
<!-- This is a comment -->
<blockquote>
Text quoted from some source.
</blockquote>
<address>
Address 1<br>
Address 2<br>
City<br>
</address>
```