# HTML

## Element

**Element = Openting Tag + Content + Closing Tag**

<h1> Coffee Shop </h1>

Tag consist of the tag name surrounded by angle brackets that is, the < and > characters

<!DOCTYPE html>

<html>

<head>

<title> Basic Format</title>

<meta charset = "UTF-8"/>

<style type = "text/css">

**body{**

**background-color: #d2b48c;**

**margin-left: 20%;**

**margin-right: 20%;**

**border: 2px dotted black;**

**padding: 10px 10px 10px 10px;**

**font-family: sans-serif;**

**}**

</style>

</head>

<body>

<h1> Heading One </h1>

<h2> Heading Two</h2>

<p> Paragraph </p>

</body>

</html>

**Code 1: Basic.html**

## Comment Tag

**<!-- -->**

The comment tag is used to insert comments in the source code. Comments are not displayed in the browsers.

## Document Type

The **<!DOCTYPE>** declaration must be the very first thing in your HTML document, before the <html> tag.

## Hyperlink

The **<a>** tag defines a hyperlink, which is used to link from one page to another.

Use the <a> element to create a hypertext link to another rweb page. The content of the <a> element becomes clickable in the web page. The

The href attribute tells the browser the destination of the link

**<a href = “elixir.html”>Elixirs</a>**

href is the attribute

## Image

**<img src = “drinks.gif”/>**

## Relative Path

<a href = **“../**lounge.html”> To the lounge </a>

“/” means Separate all parts of the path

“..” means parent folder

“../../” means move to parent folders up

## Quote

It is a child of paragraph <p> node

**<q> To be or not to be </q>**

## Block Quote

Alternative way to write quotes

**<blockquote> Mr. Mobile have fun today </blockquote>**

|  |  |
| --- | --- |
| **Blockquote <blockquote>** | **Quote <q>** |
| Block quote stands on it own | It is a inline element |

## Block Element vs Inline Elements

|  |  |
| --- | --- |
| **Block Elements** | **Inline Elements** |
| <h1> <h2> <h6> <blockquote> | <q> <a> <em> |
| They can stand on its own | They need to be in block element |

## Break

**<br/>**

Breaks the flow and insert a “line break”

## Void Element

Elements that don’t have any content by design are called void elements. When we need to use a void element, like <br> or <img>, we only use an opening tag. This is a convenient shorthand that reduces the amount of markup in our HTML

## Ordered List

The **<ol>** tag defines an ordered list. An ordered list can be **numerical or alphabetical.**

<ol>

<li> Bread </li>

<li> Egg </li>

<li> Jam </li>

</ol>

## Unordered List

The **<ul>** tag defines an unordered **(bulleted)** list.

Use the <ul> tag together with the <li> tag to create unordered lists.

<ul>

<li> Bread </li>

<li> Egg </li>

<li> Jam </li>

</ul>

## Nesting

Putting one element inside another

<**ol**>

<**li**> Charge Segway </**li**>

<**ul** Pack for trip>

<**li**>Cell Number</**li**>

<**li**>iPod</**li**>

<**li**>Digital Camera</**li**>

<**li**>Protein Bar</**li**>

</**ul**>

</**ol**>

## Definition List

<**dl**>

<**dt**>Byrna Shave Signs</**dt**>

<**dd**> Road Signs common</**dd**>

<**dt**>Route 6666</**dt**>

<**dd**>Most Famous Guys</**dd**>

</**dl**>

The <dd> tag is used to describe a term/name in a description list.

The <dd> tag is used in conjunction with <dl> (defines a description list) and <dt> (defines terms/names).

Inside a <dd> tag you can put paragraphs, line breaks, images, links, lists, etc.

## Emphasize

The <em> tag is a phrase tag. It renders as emphasized text.

**<p><em>** Paragraph **</em></p>**

## Strong

This element is used to mark up text we want emphasized with extra strength

<**li**><**strong**> Charge Segway </**strong**></**li**>

## Preformatted text

The **<pre>** tag defines preformatted text.

Text in a <pre> element is displayed in a fixed-width font (usually Courier), and it preserves both spaces and line breaks.

<pre>

Text in a pre element

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line breaks

</pre>

## Time

The element tells the browser that the context is a date or time, or both

<p>We open at **<time>10:00</time>** every morning.</p>

## Code

The <code> tag is a phrase tag. It defines a piece of computer code.

**<code>A piece of computer code</code>**

## HTML TERMS

|  |  |  |  |
| --- | --- | --- | --- |
| **Element** | **Description** | **Element** | **Description** |
| <!-- --> | Comment | <br/> | Break |
| <!DOCTYPE> | Doc Declaration | <ul> | Unordered List |
| <a> | Hyperlink | <ol> | Ordered List |
| <img> | Image | <li> | List |
| <q> | Quote | <em> | Emphasize |
| <blockquote> | Blockquote | <strong> | Strong Emphasize |
| <h1> 🡪 <h6> | Heading 1 🡪 6 | <dd> | Describe Data |
| <p> | Paragraph | <dl> | Description List |
| <pre> | Preformatted text | <dt> | Define Terms |
| <time> | Date or Time | <code> | Computer Code |

# CSS

**background-color: #d2b48c**

Sets the background color to tan

**margin-left: 20%**

**margin-right: 20%**

Sets the left and right margin to take up 20% of the page each

**border: 2px dotted black**

Defines a border around the body that is dotted and the color black

**padding: 10px 10px 10px 10px**

Creates some padding around the body of the page

**font-family: sans-serif**

Defines the font use for the text