**Inline v/s Block**

|  |  |
| --- | --- |
| **Block Elements** | **Inline Elements** |
| * Takes up the full-width available (whole block) * Start from new line | * Takes up only necessary width * Don’t start from new line |

**Div Element**

Div is a *container* used to hold other HTML elements or group elements together.

It is a *block* Element.

**Span Element**

Span is also a generic *container* used to hold other HTML elements or group elements together.

It is an *inline* Element.

**Hr Tag**

Horizontal Rule Element.

**HTML Entities**

* An HTML entity is a piece of text (“string”) that begins with an ampersand (&) and ends with a semicolon (😉.
* Used to display reserved characters (which would otherwise be interpreted as HTML code), and invisible characters (like non-breading spaces).
* Can also use in place of characters that are difficult to type with a standard keyboard.
* Browser interprets them & renders correct character.

**Example:-**

|  |  |  |
| --- | --- | --- |
| **Character** | **Entity** | **Note** |
| & | &amp; | Interpreted as the beginning of an entity or character reference. |
| < | &lt; | Interpreted as the beginning of a tag |
| > | &gt; | Interpreted as the ending of a tag |
| “ | &quot; | Interpreted as the beginning and end of an attribute’s value. |

**Emmet**

**Child:>**

|  |  |
| --- | --- |
| **Syntax** | **Result** |
| **nav>ul>li** | <nav>  <ul>  <li></li>  </ul>  </nav> |

**Multiplication: \***

|  |  |
| --- | --- |
| **Synatx** | **Result** |
| **ul>li\*5** | <ul>  <li></li>  <li></li>  <li></li>  <li></li>  <li></li>  </ul> |

**Sibling: +**

|  |  |
| --- | --- |
| **Syntax** | **Result** |
| **p>div+img** | <p>  <div></div>  <img src=”” alt=””>  </p> |

**Tables in HTML**

Tables are used to represent real life table data.

**Syntax:-**

<table>

<caption> Table Caption </caption>

<tr>

<th> header 1 </th>

<th> header 2 </th>

</tr>

<tr>

<td> data 1 </td>

<td> data 2 </td>

</tr>

</table>

<thead> to wrap table header

<tbody> to wrap table body

<tfoot> to wrap table footer

**Colspan & Rowspan Attrubutes**

Used to create cells which spans over multiple rows or columns.

**Syntax:-**

rowspan = “ “

colspan = “ “

Forms in HTML

Forms are used to collect data from the user.

**Syntax**

<form>

Form content

</form>

Fd

**Action Attribute**

Action attribute us used to define what action needs to be performed when a form is submitted or where the form data should be sent.

*<form action=”/action.php”>*

*<form action=”/action”>*

**Form Elements**

**Input**

* Used to create multiple form controls
* There are multiple types of inputs that can be created using type attribute

**Type attribute**

<input>

<input type=”text”>

<input type=”password”>

<input type=”number”>

<input type=”time”>

<input type=”color”>

**placeholder attribute**

<input type=”text” placeholder=”Enter Name”>

**Button Element**

<button>Submit</button>

**type attribute**

<button type=”submit”> submit </button>

<button type=”button”> do something </button>

<button type=”reset”> do something</button>

<button type=”button”> value=”click me”> // Not reccomended

**Name Attribute**

Name of the form control. Submitted with the form as part of a name/value pair.

<input type=”text” placeholder=”enter name” id=”username” name=”username”/>

**Input Element**

Radio button

**Select Element**

Dropdown

**Input**

Range

<lable for=”volume”>Volume</lable>

<input type=”range” min=”0” max=”100” name=”vol”/>

**Text Area**

<lable for=”feedback”>Please give your valuable feedback:</lable>

<textarea id=”feedback” name=”feedback rows=”5” cols=”100” placeholder=”write your feedback”></textarea>

<button>submit</button>