

# HTML Notes

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## List of Tables

## 1 Entities

- Entities work like unicode. They are codes to provide non ascii characters.
- always begin with an **&**

## 2 Tags

### 2.1 Body Section

```
1 <body>
2 </body>
```

### 2.2 Bold

```
1 <p><strong>BOLD Text</strong></p>
```

### 2.3 Bullet List

- ul: unordered list
- li: list item

```
1 <ul>
2   <li></li>
3   <li></li>
4     <ul>
5       <li></li>
6     </ul>
7   <li></li>
8 </ul>
```

### 2.4 Division

Use this tag to create separate formatted sections on a web page.

```
1 <div>
2 </div>
```

### 2.5 Document Type

This the first line of an HTML file.

```
1 <!doctype html>
```

## 2.6 Drop Down Menu

```

1 <select>
2   <option>Select From List</option>
3   <option>First</option>
4   <option>Second</option>
5   <option>Third</option>
6 </select>

```

## 2.7 File Type

```

1 <html>
2 </html>

```

## 2.8 Form

### 2.8.1 input tag

- type="checkbox"

```

1 <form>
2   <input type='checkbox' name='variable_name' value='1' /> Text
3 </form>

```

- type="email"

- This argument will automatically validate if the e-mail address is valid or not.
- %40 is the URL encoding for the @ symbol

```

1 <form>
2   <input type='email' placeholder='user@domain' name='variable_name' />
3 </form>

```

- type="radio"

- This argument will add radio button.
- The name argument will make the group of radio buttons mutually exclusive.

```

1 <form>
2   <input type='radio' name='group_name' /name='variable_name'> Title
3 </form>

```

- type="text"

- If you use the argument value="default text" the user will have to erase the default text before typing. The argument placeholder will show up as a hint and will disappear when the user clicks on the form.
- If you want the user to enter a large section of text use the textarea tag in a form.

```

1 <form>
2   <input type='text' placeholder='default text' /name='variable_name' />
3 </form>

```

- type="submit"
  - Once button is pressed the data in the forms is converted using URL encoding.
  - The fields on the web page must have the name argument for the submit to work.

```
1 <form>
2   <input type='submit' value='Text on Button' />
3 </form>
```

### 2.8.2 textarea tag

This tag allows a larger window for the user to type into.

```
1 <textarea name='variable_name'>optional text content</textarea>
```

## 2.9 Head Section

```
1 <head>
2 </head>
```

### 2.10 Headers

```
1 <h1></h1>
2 <h2></h2>
3 <h3></h3>
4 <h4></h4>
5 <h5></h5>
6 <h6></h6>
```

### 2.11 Horizontal Line

```
1 <hr />
```

### 2.12 Links

- destination links use the href argument

```
1 <a href='full_path_to_external_link'>Name of External Link</a>
```

- source locations in a web page use the name argument

```
1 <a name='top' /a>
2 <a href='#Name_of_page_link'>Name of anchor</a>
```

## 2.13 iframe

- use this tag to embed another webpage into your webpage
- inserted webpage can have a framed box around it by using the frameborder="1" argument
- use this to insert youtube videos into your page
- set size with width="560" and height="315" arguments

```
1 <iframe src='other_page_address' frameborder='0'></iframe>
```

## 2.14 Images

- For a locally stored image:

```
1 <img src='images/picture.png' />
```

- For an image that is loaded from another location on the internet:

```
1 <img src='url_of_image_file' />
```

- To set the width of an image in pixels:
  - Note: Aspect ratio will be maintained.
  - 100 is about right for a thumbnail

```
1 <img src='images/picture.png' width='100' />
```

- To set the height of an image in pixels:
  - Note: Aspect ratio will be maintained.

```
1 <img src='images/picture.png' height='100' />
```

- To set the height and width of an image in pixels:
  - Note: Aspect ratio will **not be maintained**.

```
1 <img src='images/picture.png' height='500' width='100' />
```

## 2.15 Italics

- em: stands for emphasis

```
1 <p><em>Italics text</em></p>
```

## 2.16 Line Break

```
1 <br />
```

## 2.17 Meta Data

```

1 <meta charset='utf-8'/'>
2 <meta http-equiv='Content-type' content='text/html; charset=utf-8'/'>
3 <meta name='viewport' content='width=device-width, initial-scale=1'/'>
4 <meta description= content='Enter Description Here'/'>

```

## 2.18 Numbered List

- ol: ordered list
- li: list item

```

1 <ol>
2   <li></li>
3   <li></li>
4     <ol>
5       <li></li>
6     </ol>
7   <li></li>
8 </ol>

```

## 2.19 Paragraph

```

1 <p>
2 </p>

```

## 2.20 Strike Through

```

1 <strike>Strike Through Text</strike>

```

## 2.21 Tables

- can be used for tables
- can also be used for layout design

```

1 <table>
2   <tr><th>Col0</th><th>Col1</th><th>Col0</th></tr>
3   <tr><td>value0</td><td>value1</td><td>value2</td></tr>
4 </table>

```

## 2.22 Title

```

1 <title>This is the Title</title>

```

## 2.23 Underline

```

1 <u>Underlined Text</u>

```