

HTML5

What is HTML?

- ❖ HTML stands for Hyper Text Markup Language

A Simple HTML Document

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>
```

Example Explained:

- ❖ `<!DOCTYPE html>` declaration defines this document to be HTML5
- ❖ `<html>` element is the root element of an HTML page
- ❖ `<head>` element contains meta information about the document
- ❖ `<title>` element specifies a title for the document
- ❖ `<body>` element contains the visible page content
- ❖ `<h1>` element defines a large heading
- ❖ `<p>` element defines a paragraph

HTML Tags:

❖ Headings Tag

HTML headings are defined with the **<h1>** to **<h6>** tags. **<h1>** defines the most important heading. **<h6>** defines the least important heading:

```
<!DOCTYPE html>
<html>
<body>
```

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

```
</body>
</html>
```

This is heading tag 1

This is heading tag 2

This is heading tag 3

This is heading tag 4

This is heading tag 5

This is heading tag 6

❖ Paragraphs Tag

HTML **<p>** element defines a **paragraph**:

```
<!DOCTYPE html>
<html>
<body>
```

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

```
</body>
</html>
```

This is a paragraph.

This is a paragraph.

This is a paragraph.

❖ Table Tag

An HTML table is defined with the **<table>** tag. Each table row is defined with the **<tr>** tag. A table header is defined with the **<th>** tag. By default, table headings are bold and centered. A table data/cell is defined with the **<td>** tag.

```
<!DOCTYPE html>
<html>
<body>

<table>
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
  <tr>
    <td>Eve</td>
    <td>Jackson</td>
    <td>94</td>
  </tr>
  <tr>
    <td>John</td>
    <td>Doe</td>
    <td>80</td>
  </tr>
</table>

</body>
</html>
```

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94
John	Doe	80

❖ Links Tag

Links are defined with the **<a>** tag:

```
<!DOCTYPE html>
<html>
<body>

<a href="https://www.google.com" target="_blank">GOOGLE</a>

</body>
</html>
```

[GOOGLE](https://www.google.com)

❖ Images Tag

images are defined with the **** tag. The **** tag is empty, it contains attributes only, and does not have a closing tag. The **src** attribute specifies the URL (web address) of the image:

```
<!DOCTYPE html>
<html>
<body>



</body>
</html>
```



❖ Ordered List Tag

An ordered list starts with the **** tag. Each list item starts with the **** tag. The list items will be marked with numbers by default:

```
<!DOCTYPE html>
<html>
<body>

<h2>An ordered HTML list</h2>

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

</body>
</html>
```

An ordered HTML list

1. Coffee
2. Tea
3. Milk

❖ Unordered List Tag

An unordered list starts with the **** tag. Each list item starts with the **** tag. bullets (small black circles) by default:

```
<!DOCTYPE html>
<html>
<body>

<h2>An unordered HTML list</h2>

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

</body>
</html>
```

An unordered HTML list

- Coffee
- Tea
- Milk