Lesson #2

Intro to HTML

Introduction to Web Development

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HyperText Markup Language

Hyper**T**ext **M**arkup **L**anguage - HTML.

- Standard markup language for creating websites.
- Describes the structure of a web page.
- Consists of a series of **tags,** also called **elements** that do a specific job.

```html
<!DOCTYPE html>
<html>
<head>
  <title>Lorem Ipsum</title>
</head>
<body>
  <h1>Lorem ipsum dolor sit amet</h1>
  <p>Consectetur adipiscing elit. Aliquam condimentum, orci
  non faucibus rhoncus, felis odio congue metus, a ultricies
  ipsum nisl eget tortor. Phasellus quis mattis urna.
  Vivamus commodo venenatis ullamcorper. Donec et urna id ex
  malesuada blandit nec nec arcu.</p>
  <ul>
    <li>Nulla iaculis sapien</li>
    <li>Class aptent taciti</li>
    <li>Integer faucibus</li>
  </ul>
</body>
</html>
```

HTML Skeleton

Tags required on all HTML pages.

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

HTML Skeleton

Tags required on all HTML pages.

1. Defines that this document is an HTML5 document.

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

HTML Skeleton

Tags required on all HTML pages.

1. Defines that this document is an HTML5 document.

2. Contains all HTML content.

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

HTML Skeleton

Tags required on all HTML pages.

1. Defines that this document is an HTML5 document.

2. Contains all HTML content.

3. Information about the document.

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

HTML Skeleton

Tags required on all HTML pages.

1. Defines that this document is an HTML5 document.

2. Contains all HTML content.

3. Information about the document.

4. Document's title (which is shown on the browser's tab).

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

HTML Skeleton

Tags required on all HTML pages.

1. Defines that this document is an HTML5 document.

2. Contains all HTML content.

3. Information about the document.

4. Document's title (which is shown on the browser's tab).

5. Document's body - all visible content.

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

Heading Tags

Define headings in a document.

There are six heading tags: <h1> to <h6>.

There should only be one <h1> tag per page.

Result:

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6

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

Most Important

Least Important

Paragraph Tags

Define paragraphs in a document.

Default styling creates spacing to separate paragraphs from other elements.

Result:

This is the first paragraph. This is the second paragraph.

```
<!DOCTYPE html>
<html>
<head>
  <title>Page Title</title>
</head>
<body>
  This is the first paragraph.
  This is the second paragraph.
</body>
</html>
```

Paragraph Tags

Define paragraphs in a document.

Default styling creates spacing to separate paragraphs from other elements.

Result:

This is the first paragraph.

This is the second paragraph.

```
<!DOCTYPE html>
<html>
<head>
  <title>Page Title</title>
</head>
<body>
  This is the first paragraph.
  This is the second paragraph.
</body>
</html>



<!DOCTYPE html>
<html>
<head>
  <title>Page Title</title>
</head>
<body>
  <p>This is the first paragraph.</p>
  <p>This is the second paragraph.</p>
</body>
</html>
```

List Tags

Create lists (numbered or bulleted).

... creates Ordered Lists (Numbered).

... creates Unordered Lists (bulleted).

... creates List Items.

Result:

List Example:

1. List Item 1
2. List Item 2
3. List Item 3

```
List Example:
<ol>
  <li>List Item 1</li>
  <li>List Item 2</li>
  <li>List Item 3</li>
</ol>
```

List Tags

Create lists (numbered or bulleted).

... creates Ordered Lists (numbered).

... creates Unordered Lists (bulleted).

... creates List Items.

Result:

List Example:

- List Item 1
- List Item 2
- List Item 3

```
List Example:
<ol>
  <li>List Item 1</li>
  <li>List Item 2</li>
  <li>List Item 3</li>
</ol>


List Example:
<ul>
  <li>List Item 1</li>
  <li>List Item 2</li>
  <li>List Item 3</li>
</ul>
```

What is an HTML element?

An HTML element is defined by a **start** tag, some content, and an **end** tag:

```
<tagname> Content goes here… </tagname>


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