

Introduction to HTML

HTML Elements

Chapter 2

ITIQ Organization

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HTML Elements

- The HTML element is everything from the start tag to the end tag:
- `<tagname> Content goes here... </tagname>`
- Examples of some HTML elements:
 1. `<h1>My First Heading</h1>`
 2. `<p>My first paragraph.</p>`

Nested HTML Elements

- HTML elements can be nested (this means that elements can contain other elements).
- All HTML documents consist of nested HTML elements.
- The following example contains four HTML elements (<html>, <body>, <h1> and <p>):

Example

```
<html>  
<body>  
  
<h1>My First Heading</h1>  
<p>My first paragraph.</p>  
  
</body>  
</html>
```

My First Heading

My first paragraph.

Example Explained

- The <html> element is the root element and it defines the whole HTML document.
- It has a start tag <html> and an end tag </html>.
- Then, inside the <html> element there is a <body> element:

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

Example Explained

- The `<body>` element defines the document's body.
- It has a start tag `<body>` and an end tag `</body>`.
- Then, inside the `<body>` element there are two other elements: `<h1>` and `<p>`:

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

Example Explained

- The `<h1>` element defines a heading.
- It has a start tag `<h1>` and an end tag `</h1>`:
- The `<p>` element defines a paragraph.
- It has a start tag `<p>` and an end tag `</p>`:

```
<h1>My First Heading</h1>
```

```
<p>My first paragraph.</p>
```

Never Skip the End Tag

Some HTML elements will display correctly, even if you forget the end tag:

```
<html>
```

```
<body>
```

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

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

```
</body>
```

```
</html>
```

However, never rely on this! Unexpected results and errors may occur if you forget the end tag!

Empty HTML Elements

- HTML elements with no content are called empty elements.
- The `
` tag defines a line break, and is an empty element without a closing tag:

Example

```
<p>This is a <br> paragraph with a line break.</p>
```

HTML is Not Case Sensitive

- HTML tags are not case sensitive: <P> means the same as <p>.
- The HTML standard does not require lowercase tags, but we recommends lowercase in HTML, and demands lowercase for stricter document types like XHTML.
- we always use lowercase tag names.