

Introduction to HTML

HTML Paragraphs

Chapter 5

ITIQ Organization

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HTML Paragraphs

- The HTML `<p>` element defines a paragraph.
- A paragraph always starts on a new line, and browsers automatically add some white space (a margin) before and after a paragraph.
- Example
 - `<p>This is a paragraph.</p>`
 - `<p>This is another paragraph.</p>`

- Output

```
This is a paragraph.
```

```
This is another paragraph.
```

HTML Display

- You cannot be sure how HTML will be displayed.
- Large or small screens, and resized windows will create different results.
- With HTML, you cannot change the display by adding extra spaces or extra lines in your HTML code.
- The browser will automatically remove any extra spaces and lines when the page is displayed:

Example

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

<p>
This paragraph
contains a lot of lines
in the source code,
but the browser
ignores it.
</p>

<p>
This paragraph
contains          a lot of spaces
in the source      code,
but the           browser
ignores it.
</p>

</body>
</html>
```

This paragraph contains a lot of lines in the source code, but the browser ignores it.

This paragraph contains a lot of spaces in the source code, but the browser ignores it.



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HTML Horizontal Rules

- The `<hr>` tag defines a thematic break in an HTML page, and is most often displayed as a horizontal rule.
- The `<hr>` tag is an empty tag, which means that it has no end tag.
- The `<hr>` element is used to separate content (or define a change) in an HTML page:

```
<html>
<body>

<h1>This is heading 1</h1>
<p>This is some text.</p>
<hr>

<h2>This is heading 2</h2>
<p>This is some other text.</p>

</body>
</html>
```

This is heading 1

This is some text.

This is heading 2

This is some other text.

HTML Line Breaks

- HTML `
` element defines a line break, The `
` tag is an empty tag, which means that it has no end tag.
- Use `
` if you want a line break (a new line) without starting a new paragraph:

```
<html>
<body>

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

</body>
</html>
```

This is
a paragraph
with line breaks.

The Poem Problem

```
<html>
<body>

<p>In HTML, spaces and new lines are ignored:</p>
<p>

  My Bonnie lies over the ocean.

  My Bonnie lies over the sea.

  My Bonnie lies over the ocean.

  Oh, bring back my Bonnie to me.

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

In HTML, spaces and new lines are ignored:

My Bonnie lies over the ocean. My Bonnie lies over the sea. My Bonnie lies over the ocean. Oh, bring back my Bonnie to me.

- Solution - The HTML `<pre>` Element
- The HTML `<pre>` element defines preformatted text.
- The text inside a `<pre>` element is displayed in a fixed-width font (usually Courier), and it preserves both spaces and line breaks:

The Poem Problem

```
<html>
<body>

<p>The pre tag preserves both spaces and line breaks:</p>

<pre>
  My Bonnie lies over the ocean.
    My Bonnie lies over the sea.
  My Bonnie lies over the ocean.
    Oh, bring back my Bonnie to me.
</pre>

</body>
</html>
```

The pre tag preserves both spaces and line breaks

```
My Bonnie lies over the ocean.
  My Bonnie lies over the sea.
My Bonnie lies over the ocean.
  Oh, bring back my Bonnie to me.
```



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HTML Exercises 1

Use the correct HTML tag to add a paragraph with the text "Hello World!".

```
<html>
```

```
<body>
```

```
<p>Hello World!</p>
```

```
</body>
```

```
</html>
```

HTML Exercises 2

Clean up this document with proper end tags.

```
<h1>This is a Heading| </h1>
```

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

HTML Exercises 3

Add a horizontal rule between the heading and the paragraph.

```
<h1>London</h1>
```

```
<hr>
```

```
<p>London is the capital city of England. It is the most populous city in the United Kingdom, with a metropolitan area of over 13 million inhabitants.</p>
```

HTML Exercises 4

Add a line break in the middle of the paragraph:

```
<p>My Bonnie lies|<br>over the ocean.</p>
```

HTML Exercises 5

Wrap this poem around HTML tags that will preserve all spaces and linebreaks when the element is displayed.

```
<pre>
  My Bonnie lies over the ocean.

  My Bonnie lies over the sea.

  My Bonnie lies over the ocean.

  Oh, bring back my Bonnie to me.
</pre>
```