HTML Formatting and Attributes

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Review

- HTML is a plain-text, human-readable language that is used for representing content on the Web

- HTML specifies how to **structure** the data but not (necessarily) how to **display** it

- HTML uses **tags** to provide the structure

Review: HTML tags

- **`<p>`** paragraph
- **`<h#>`** header
- **`<b>`** bold (also **`<strong>`**)
- **`<i>`** italics (also **`<em>`**)
- **`<hr>`** horizontal rule
- **`<br>`** break
- **`<div>`** block of text
- **`<span>`** small section of text

This is the most important header

This is a paragraph supporting the most important header.

This is a subheader

This is a paragraph supporting the subheader. Notice that the font size of the subheader is smaller than the size of the most important header.

Thought of the Day

Today's thought of the day: "*Don't make excuses, make improvements*"> --Tyra Banks

Additional supporting text

Today we've learned about DOCTYPE declarations, head tags, body tags, heading tags, paragraph tags, & Inline vs. Block-level containers.

HTML Attributes

- Purpose of an attribute: provide additional information about a particular HTML element

- Always included within element's start tag

- Usually comes in name/value pair as follows:
  name="value"

  - *name* – usually specifies the property of the element for which additional information is being provided

  - *value* –this is selected from set of possible values for given property

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  - *name* – usually specifies the property of the element for which additional information is being provided
  - *value* –this is selected from set of possible values for given property

```
<p name="value"> This is a paragraph with a defined attribute </p>
```

Core Attributes: `title`

- Provides a suggested title for an element
- When user hovers over the element, a "tooltip" will appear at the cursor with the suggested title

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```
<h1 title="Welcome!"> Test Title </h1>
```

Core Attributes: `title`

- Provides a suggested title for an element
- When user hovers over the element, a "tooltip" will appear at the cursor with the suggested title

```
<h1 title="Welcome!"> Test Title </h1>
```

Test Title
"Welcome!"

Core Attributes: `style`

- Used to change the visual presentation of an element

- Value string will be include multiple *key:value* pairs as well (separated by semicolons)

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```
<h1>this is a heading</h1>
```

Core Attributes: `style`

- Used to change the visual presentation of an element

- Value string will be include multiple *key:value* pairs as well (separated by semicolons)

```
<h1>this is a heading</h1>
```

this is a heading

Core Attributes: `style`

- Used to change the visual presentation of an element

- Value string will be include multiple *key:value* pairs as well (separated by semicolons)

```
<h1>this is a heading</h1>
```

this is a heading

```
<h1 style="color:red; text-transform:capitalize">this is a heading</h1>
```

Core Attributes: `style`

- Used to change the visual presentation of an element

- Value string will be include multiple *key:value* pairs as well (separated by semicolons)

```
<h1>this is a heading</h1>
```

this is a heading

```
<h1 style="color:red; text-transform:capitalize">this is a heading</h1>
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This Is A Heading

Other properties of "style" attribute

Property	Description	Sample values
background-color	The color that appears behind the text	red, yellow, #012345

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Other properties of "style" attribute

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background-color	The color that appears behind the text	red, yellow, #012345
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text-align	Horizontal text alignment	center, left, right

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font-family	Font used to render the text	verdana, courier
font-size	Size of text, possibly relative to default size	12px, 4in, 200%
text-align	Horizontal text alignment	center, left, right

```
Hello <span style="color:white; background-color:green;
font-family:verdana; font-size:200%">world!</span>
```

Other properties of "style" attribute

Property	Description	Sample values
background-color	The color that appears behind the text	red, yellow, #012345
font-family	Font used to render the text	verdana, courier
font-size	Size of text, possibly relative to default size	12px, 4in, 200%
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```
Hello <span style="color:white; background-color:green;
font-family:verdana; font-size:200%">world!</span>
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Other properties of "style" attribute

Property	Description	Sample values
`background-color`	The color that appears behind the text	`red, yellow, #012345`
`font-family`	Font used to render the text	`verdana, courier`
`font-size`	Size of text, possibly relative to default size	`12px, 4in, 200%`
`text-align`	Horizontal text alignment	`center, left, right`

```
Hello <span style="color:white; background-color:green;
font-family:verdana; font-size:200%">world!</span>
```

```
<p style="color:blue">1 is an odd number</p>

<p style="color:white; background-color:blue">2 is an even number</p>
```

```
<p style="color:blue">1 is an odd number</p>

<p style="color:white; background-color:blue">2 is an even number</p>
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<p style="color:blue">1 is an odd number</p>

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```
<p style="color:blue">1 is an odd number</p>

<p style="color:white; background-color:blue">2 is an even number</p>
```

1 is an odd number

2 is an even number

```
<p style="color:blue">1 is an odd number</p>

<p style="color:white; background-color:blue">2 is an even number</p>

<p style="color:blue">3 is an odd number</p>

<p style="color:white; background-color:blue">4 is an even number</p>
```

1 is an odd number

2 is an even number

```
<p style="color:blue">1 is an odd number</p>

<p style="color:white; background-color:blue">2 is an even number</p>

<p style="color:blue">3 is an odd number</p>

<p style="color:white; background-color:blue">4 is an even number</p>
```

1 is an odd number

2 is an even number

3 is an odd number

4 is an even number

```
<p style="color:blue">1 is an odd number</p>

<p style="color:white; background-color:blue">2 is an even number</p>

<p style="color:blue">3 is an odd number</p>

<p style="color:white; background-color:blue">4 is an even number</p>

<p style="color:blue">5 is an odd number</p>

<p style="color:white; background-color:blue">6 is an even number</p>
```

1 is an odd number

2 is an even number

3 is an odd number

4 is an even number

5 is an odd number

6 is an even number

```
<p style="color:blue">1 is an odd number</p>

<p style="color:white; background-color:blue">2 is an even number</p>

<p style="color:blue">3 is an odd number</p>

<p style="color:white; background-color:blue">4 is an even number</p>

<p style="color:blue">5 is an odd number</p>

<p style="color:white; background-color:blue">6 is an even number</p>
```

1 is an odd number

2 is an even number

3 is an odd number

4 is an even number

5 is an odd number

6 is an even number

```
<p style="color:blue">1 is an odd number</p>

<p style="color:white; background-color:blue">2 is an even number</p>

<p style="color:blue">3 is an odd number</p>

<p style="color:white; background-color:blue">4 is an even number</p>

<p style="color:blue">5 is an odd number</p>

<p style="color:white; background-color:blue">6 is an even number</p>
```

1 is an odd number

2 is an even number

3 is an odd number

4 is an even number

5 is an odd number

6 is an even number

Core Attributes: `id` and `class`

- Used to uniquely identify elements within an HTML document

- **`id`**
  - Provide ability to refer to specific element; id must be unique
  - Examples: header, footer

- **`class`**
  - Provide ability to refer to subgroups of elements within html document; does not have to be unique
  - Examples: comment, warning

```
<p style="color:blue">1 is an odd number</p>

<p style="color:white; background-color:blue">2 is an even number</p>

<p style="color:blue">3 is an odd number</p>

<p style="color:white; background-color:blue">4 is an even number</p>

<p style="color:blue">5 is an odd number</p>

<p style="color:white; background-color:blue">6 is an even number</p>
```

1 is an odd number

2 is an even number

3 is an odd number

4 is an even number

5 is an odd number

6 is an even number

```
<p style="color:blue">1 is an odd number</p>

<p style="color:white; background-color:blue">2 is an even number</p>

<p style="color:blue">3 is an odd number</p>

<p style="color:white; background-color:blue">4 is an even number</p>

<p style="color:blue">5 is an odd number</p>

<p style="color:white; background-color:blue">6 is an even number</p>
```

1 is an odd number

2 is an even number

3 is an odd number

4 is an even number

5 is an odd number

6 is an even number

```
<p class="odd">1 is an odd number</p>

<p style="color:white; background-color:blue">2 is an even number</p>

<p class="odd">3 is an odd number</p>

<p style="color:white; background-color:blue">4 is an even number</p>

<p class="odd">5 is an odd number</p>

<p style="color:white; background-color:blue">6 is an even number</p>
```

1 is an odd number

2 is an even number

3 is an odd number

4 is an even number

5 is an odd number

6 is an even number

```
<p class="odd">1 is an odd number</p>

<p style="color:white; background-color:blue">2 is an even number</p>

<p class="odd">3 is an odd number</p>

<p style="color:white; background-color:blue">4 is an even number</p>

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<p style="color:white; background-color:blue">6 is an even number</p>
```

1 is an odd number

2 is an even number

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```
<p class="odd">1 is an odd number</p>

<p class="even">2 is an even number</p>

<p class="odd">3 is an odd number</p>

<p class="even">4 is an even number</p>

<p class="odd">5 is an odd number</p>

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```

1 is an odd number

2 is an even number

3 is an odd number

4 is an even number

5 is an odd number

6 is an even number

```
<!DOCTYPE html>
<html>

<head>
<style>
.odd {
    color: blue;
}
.even {
    color: white;
    background-color: blue;
}
</style>
</head>

<body>
<p class="odd">1 is an odd number</p>
<p class="even">2 is an even number</p>
<p class="odd">3 is an odd number</p>
<p class="even">4 is an even number</p>
<p class="odd">5 is an odd number</p>
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</body>

</html>
```

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</body>

</html>
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Summary

- You can use a tag's **attributes** to give it properties

- The `style` attribute allows you to change the appearance of the text within that element

- The `class` attribute allows you to group elements so that they can easily have the same style applied