

# Web Programming

## Chapter 2: Basic HTML Part 2

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# HTML Blocks and Inline Elements

span tag  
div tag

```
<!DOCTYPE html>
<html>
<head>
<title>My First Block</title>
</head>
<body>
→ <h1>My <span style="color:red">First</span> Block</h1>
→ <div style="background color:black;color:white;padding:20px;">
<p>My first block.</p>
</div>
<div style="background-color:blue;color:white;padding:20px;">
<p>My second block.</p></div>
</body>
</html>
```

output →



# HTML Blocks and Inline Elements Explained

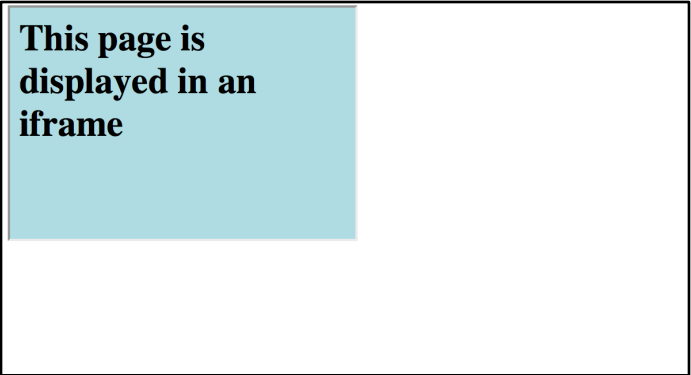
- HTML elements can be grouped together with `<div>` and `<span>`.
- The HTML `<div>` element is a block level element that can be used as a container for grouping other HTML elements.
- The HTML `<span>` element is an inline element that can be used as a container for text.



# HTML Iframes

```
<!DOCTYPE html>  
<html>  
<body>  
<iframe src="iframe.htm" height="200"  
width="300">  
</iframe>  
</body>  
</html>
```

output →



**This page is  
displayed in an  
iframe**



# HTML Iframe Explained

- An iframe is used to display a web page within a web page.
- The height and width attributes to specify the size of the iframe



# HTML Table

```
<!DOCTYPE html>
<html>
<body>
<table border="1" style="width:100%">
<tr>
<th>Table Header 1</th>
<th>Table Header 2</th>
<th>Table Header 3</th>
</tr>
<tr>
<td>Row 1, Col 1</td>
<td>Row 1, Col 2</td>
<td>Row 1, Col 3</td>
</tr>
<tr>
<td>Row 2, Col 1</td>
<td>Row 2, Col 2</td>
<td>Row 2, Col 3</td>
</tr>
<tr>
<td>Row 3, Col 1</td>
<td>Row 3, Col 2</td>
<td>Row 3, Col 3</td>
</tr>
</table>
</body>
</html>
```

table header tag



```
<th>Table Header 1</th>
<th>Table Header 2</th>
<th>Table Header 3</th>
```

table row tag



```
</tr>
<tr>
```

table column tag



```
<td>Row 1, Col 1</td>
<td>Row 1, Col 2</td>
<td>Row 1, Col 3</td>
</tr>
<tr>
<td>Row 2, Col 1</td>
<td>Row 2, Col 2</td>
<td>Row 2, Col 3</td>
</tr>
<tr>
<td>Row 3, Col 1</td>
<td>Row 3, Col 2</td>
<td>Row 3, Col 3</td>
</tr>
```

output



Table Header 1	Table Header 2	Table Header 3
Row 1, Col 1	Row 1, Col 2	Row 1, Col 3
Row 2, Col 1	Row 2, Col 2	Row 2, Col 3
Row 3, Col 1	Row 3, Col 2	Row 3, Col 3



# HTML Table Explained

- 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.
- By default, the table borders will not be displayed but this could be change with `border="1"`
- Data cells can be merged with the `colspan` and `rowspan` attributes



# HTML Table

```
<!DOCTYPE html>
<html>
<body>
<table style="width:100%">
<tr>
<th>Table Header 1</th>
<th>Table Header 2</th>
<th>Table Header 3</th>
</tr>
<tr>
<td>Row 1, Col 1</td>
<td>Row 1, Col 2</td>
<td>Row 1, Col 3</td>
</tr>
<tr>
<td>Row 2, Col 1</td>
<td>Row 2, Col 2</td>
<td>Row 2, Col 3</td>
</tr>
</table>
</body>
</html>
```

table header tag

→ <th>Table Header 1</th>  
<th>Table Header 2</th>  
<th>Table Header 3</th>

table row tag

→ </tr>  
<tr>

table column tag

→ <td>Row 1, Col 1</td>  
<td>Row 1, Col 2</td>  
<td>Row 1, Col 3</td>  
</tr>

output



Table Header 1	Table Header 2	Table Header 3
Row 1, Col 1	Row 1, Col 2	Row 1, Col 3
Row 2, Col 1	Row 2, Col 2	Row 2, Col 3
Row 3, Col 1	Row 3, Col 2	Row 3, Col 3





# Conclusion of The Chapter

- This chapter had introduced the basic elements of HTML. We will learn about HTML forms in the next chapter



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# Activity

- Please take a look Tutorial 3 for more basic HTML lab exercises



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