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HTML 1

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وزارة الاتصالات وتقنية المعلومات
MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY

الاتحاد السعودي للأمن السيبراني والبرمجة والدرونز
SAUDI FEDERATION FOR CYBERSECURITY, PROGRAMMING & DRONES

مهارات المستقبل

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Objective

- Create your first HTML page! Learn what HTML is.
- What is HTML elements, tags and attributes.
- Titles, paragraphs, and headings, ordered and unordered lists.

Introduction to HTML

- **Hypertext Markup Language (HTML):** language used to write files that tell the browser how to lay out the text and images on a page
- .html
- **HTML tags:** used to define how the page must be structured

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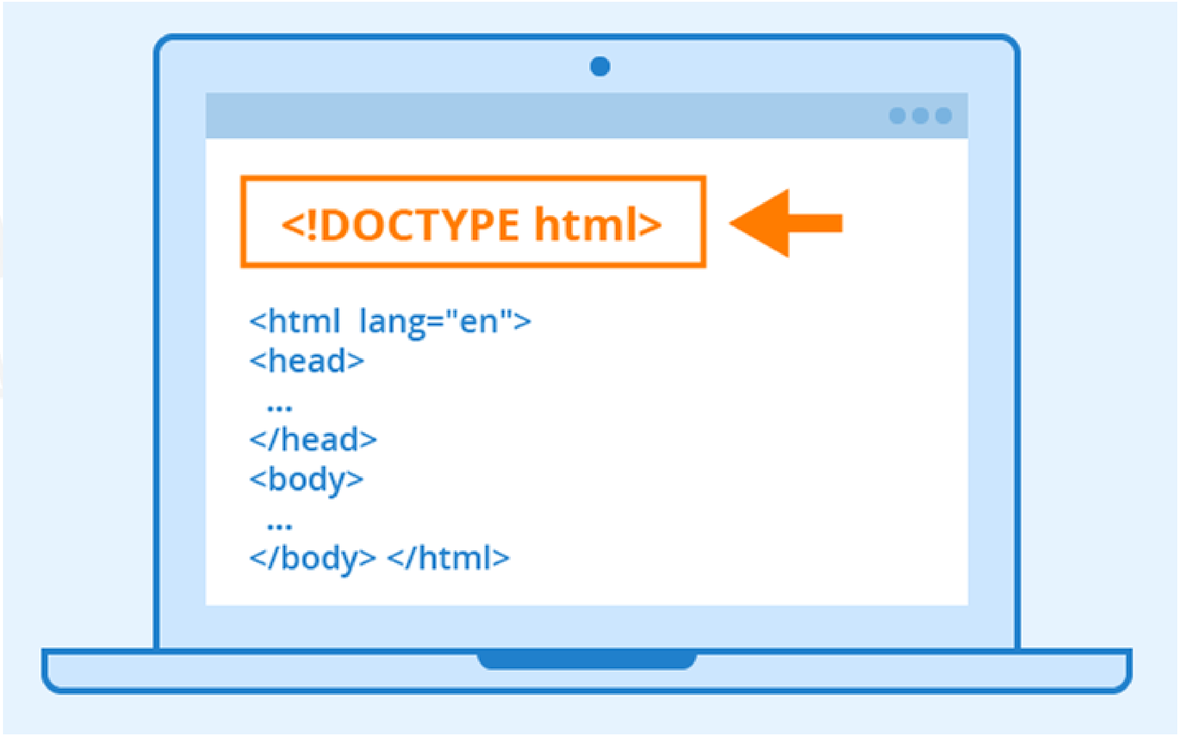
Basic Layout / Template of an HTML Page

- **Doctype:** indicates which version of the HTML to load
- **html:** contains the whole document
- **head:** contains metadata about the page
- **body:** contains the actual content



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HTML Tags and Elements

```
<!DOCTYPE html>
```

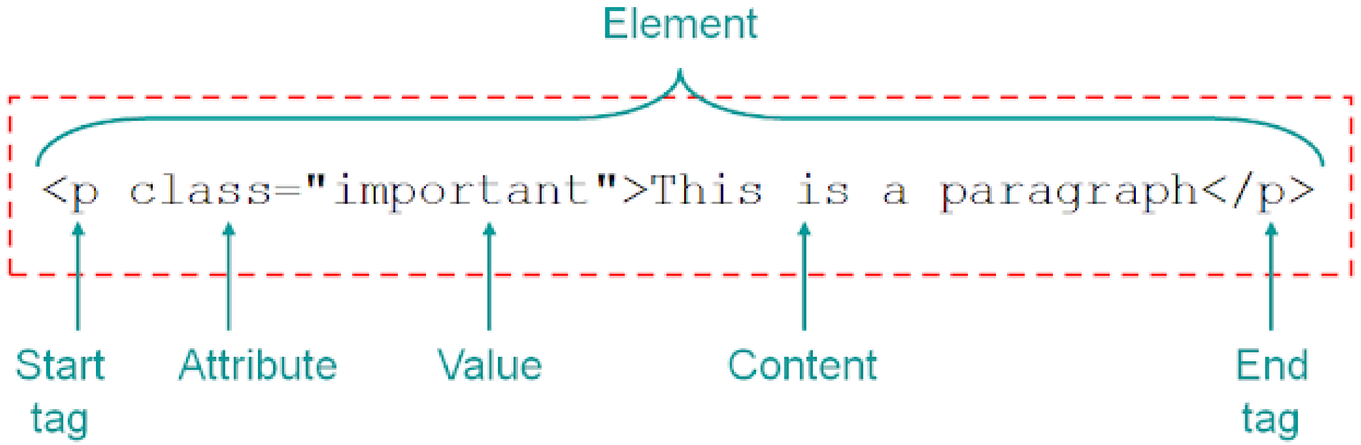
```
<html>
<head>
    <title>My first web page!</title>
</head>

<body>
    <p>I am learning to develop a dynamic web
application.</p>
</body>
</html>
```

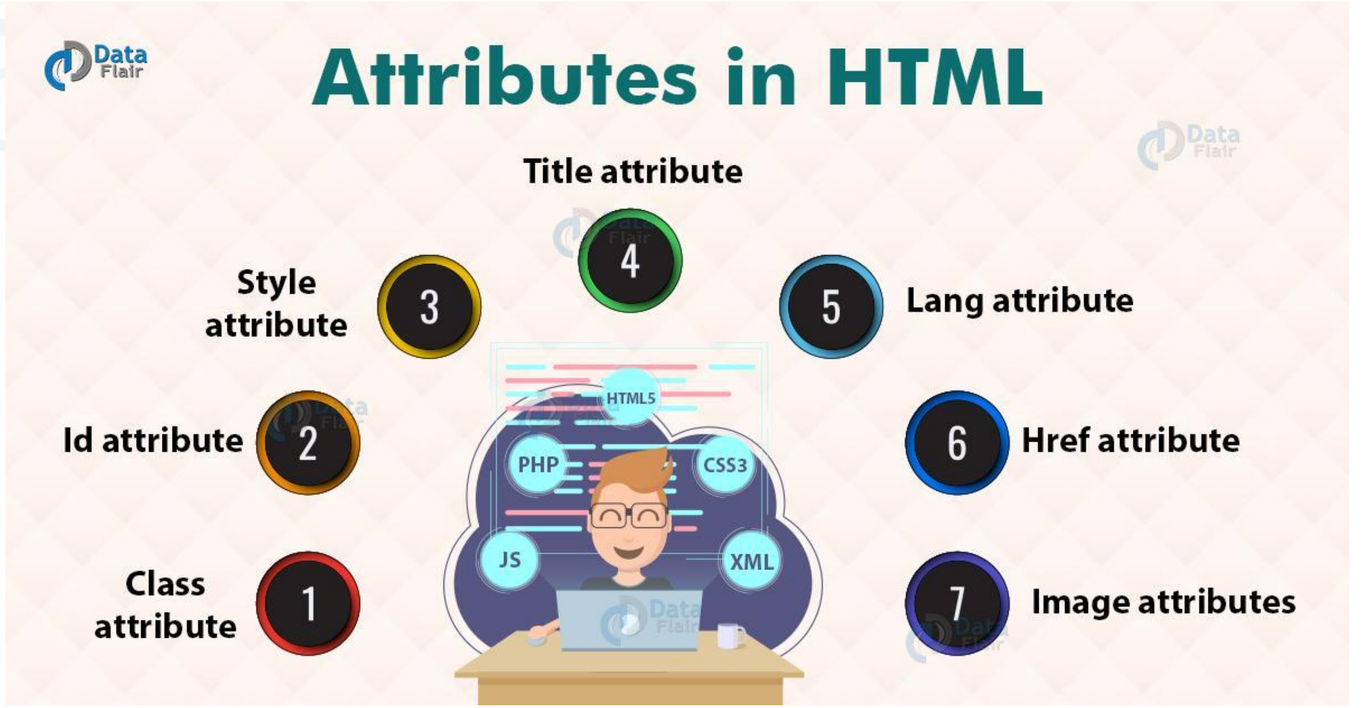
Try this:

- Right-click in the browser in any website and select the option ‘View page source.’

Attributes

- Attributes like this are used mainly for the purposes of **CSS and JS (JavaScript).**
- Provide **additional information** about HTML elements.
- Attributes are always specified in the **start tag.**





Common HTML Elements

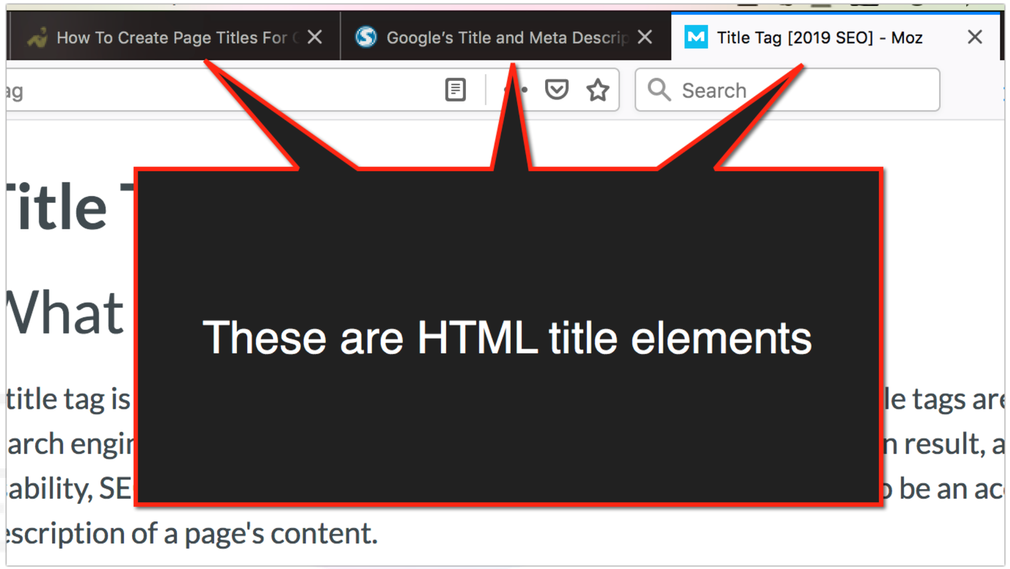
title tag

```
<head>

    <title>Portfolio</title>

</head>
```

- The <title> tag defines the title of the document. The title must be text-only, and it is shown in the **browser's title bar or in the page's tab**.

- The <title> tag is **required** in HTML documents!

- The contents of a page title is very important for **search engine optimization (SEO)!** The page title is used by search engine algorithms to decide the order when listing pages in search results.



Common HTML Elements

headings

- HTML headings are **titles or subtitles** that you want to display on a webpage.

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<h1>Heading 1</h1>

<h2>Heading 2</h2>

<h3>Heading 3</h3>

<h4>Heading 4</h4>

<h5>Heading 5</h5>

<h6>Heading 6</h6>

Common HTML Elements

paragraphs

- A paragraph always starts on a new line, and is usually a block of text.

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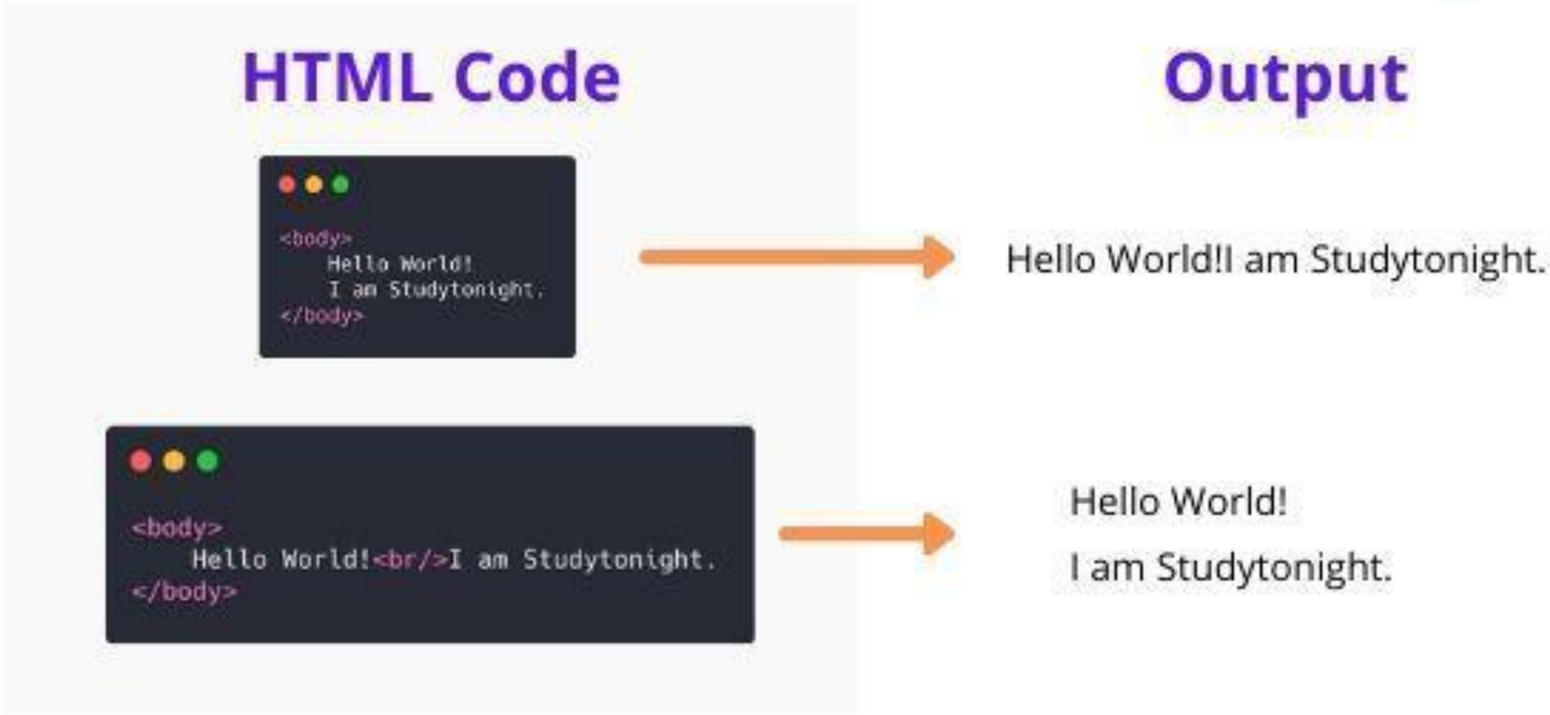
Common HTML Elements

Line breaks

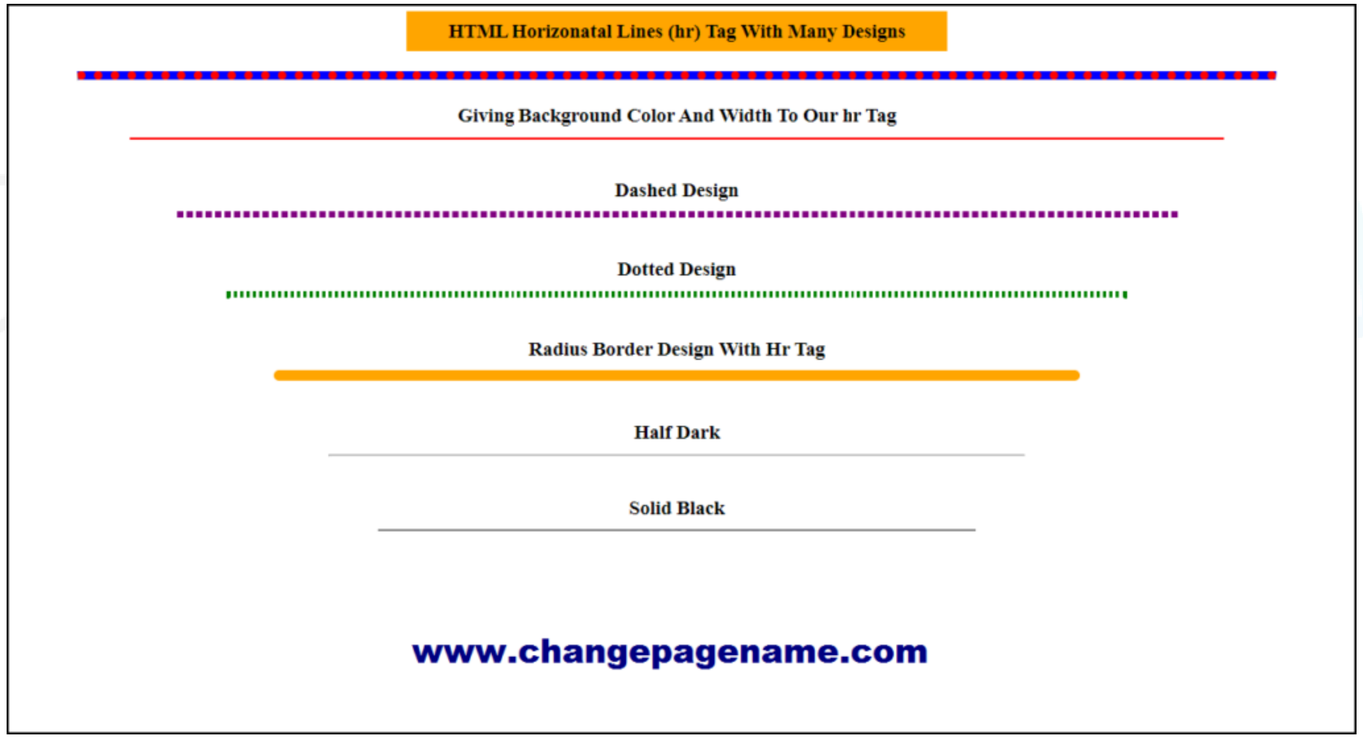
- To do the equivalent of pressing enter to get a line break between text, use the <br> element. This element does not have a matching closing tag.



Common HTML Elements

Horizontal rule

- The <hr> element is most often displayed as a horizontal rule that is used to **separate content (or define a change)** in an HTML page.



Common HTML Elements

Lists

- Lists can either be **ordered** lists <ol> or **unordered** lists <ul>. Ordered simply means that the list is numbered, i.e. 1, 2, 3, etc. and unordered is in the form of bullet points.

```
<h2>An unordered HTML list</h2>

<ul>
  <li>Item 1</li>
  <li>Item 2</li>
  <li>Item 3</li>
</ul>

<h2>An ordered HTML list</h2>

<ol>
  <li>Item 1</li>
  <li>Item 2</li>
  <li>Item 3</li>
</ol>
```

Common HTML Elements

Tables

- HTML tables allow web developers to arrange data into rows and columns.
- **Table Cells**
  - Each table cell is defined by a <td> and a </td> tag, td stands for table data.
- **Table Rows**
  - Each table row starts with a <tr> and end with a </tr> tag.
- **Table Headers**
  - Sometimes you want your cells to be headers, in those cases use the <th> tag instead of the <td> tag:

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Common HTML Elements

Tables

Company	Contact	Country
Alfreds Futterkiste	Maria Anders	Germany

```
<table style="width:100%">
  <tr>
    <th>Company</th>
    <th>Contact</th>
    <th>Country</th>
  </tr>
  <tr>
    <td>Alfreds Futterkiste</td>
    <td>Maria Anders</td>
    <td>Germany</td>
  </tr>
</table>
```

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Summary

- Intro to HTML
- Common HTML elements
- Basic Layout / Template of an HTML Page
- HTML Tags and Elements
- Attributes

Resources

- W3 school

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