HTML 1

أكاديمية طويق
TUWAIQ ACADEMY

وزارة الاتصالات وتقنية المعلومات
MINISTRY OF COMMUNICATIONS
AND INFORMATION TECHNOLOGY

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

مهارات المستقبل

stc

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

HTML   CSS   JAVASCRIPT

```
<html>
<title>HTML</title>
<body>
This is HTML!
</body>
</html>
```

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


```
<!DOCTYPE html>

<html lang="en">
<head>
 ...
</head>
<body>
 ...
</body> </html>
```

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>
```

HTML Element

<h1> Hello, World! </h1>

Opening Tag   Content   Closing Tag

👩💻👨💻**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.**
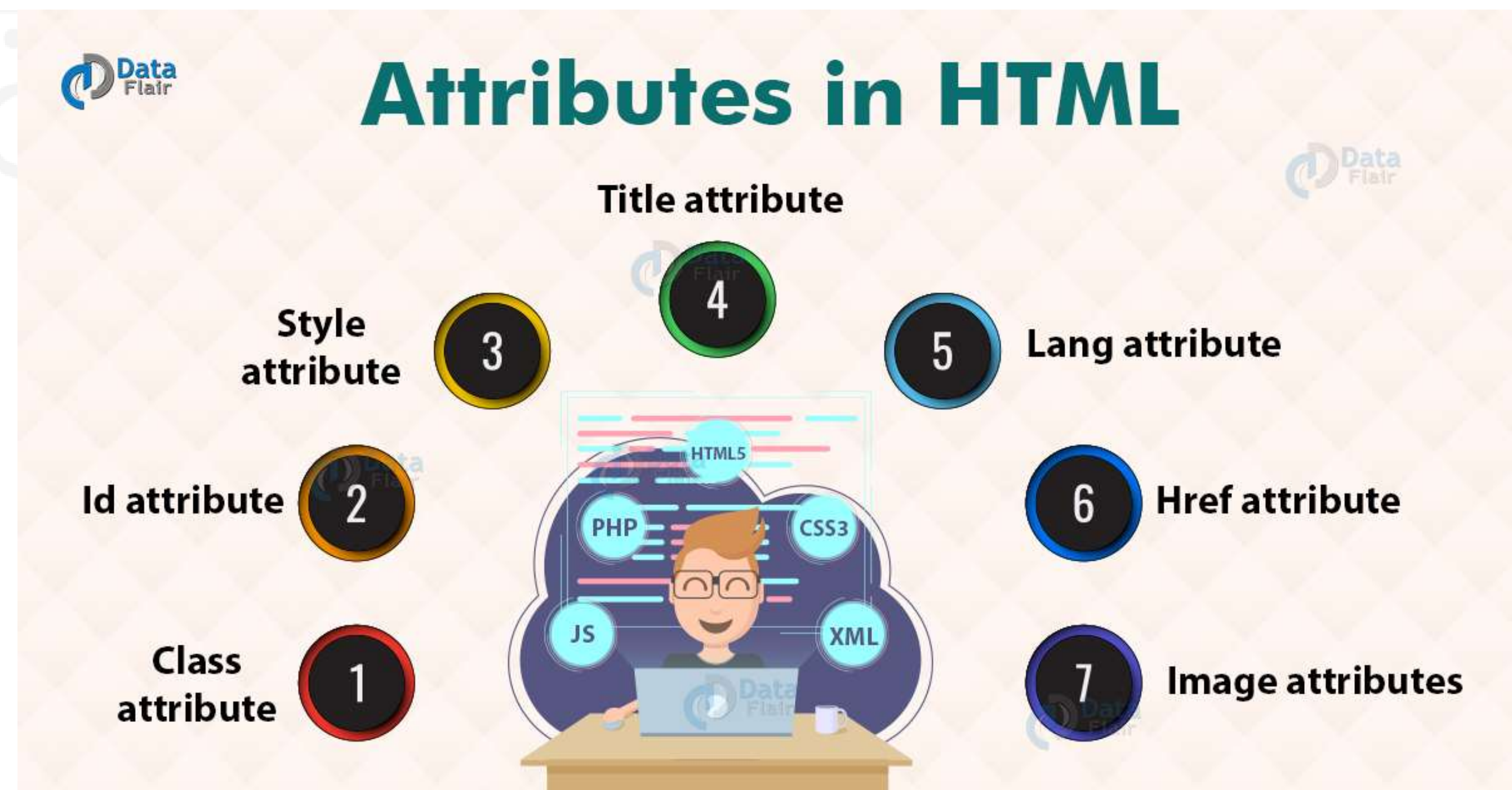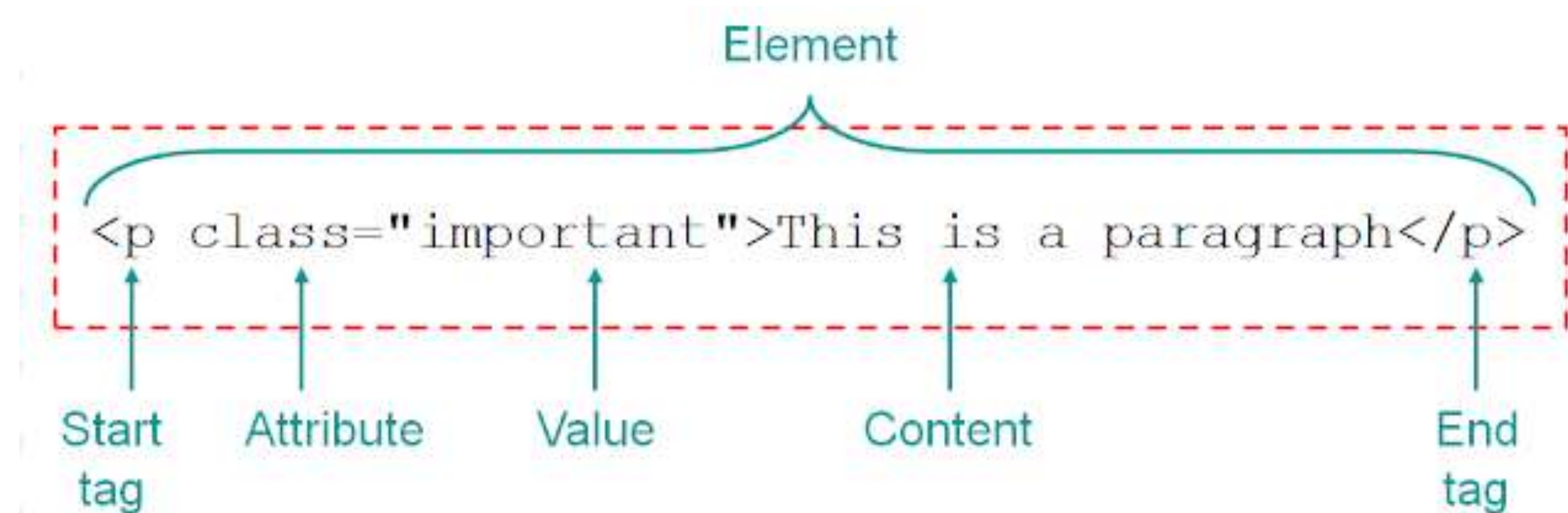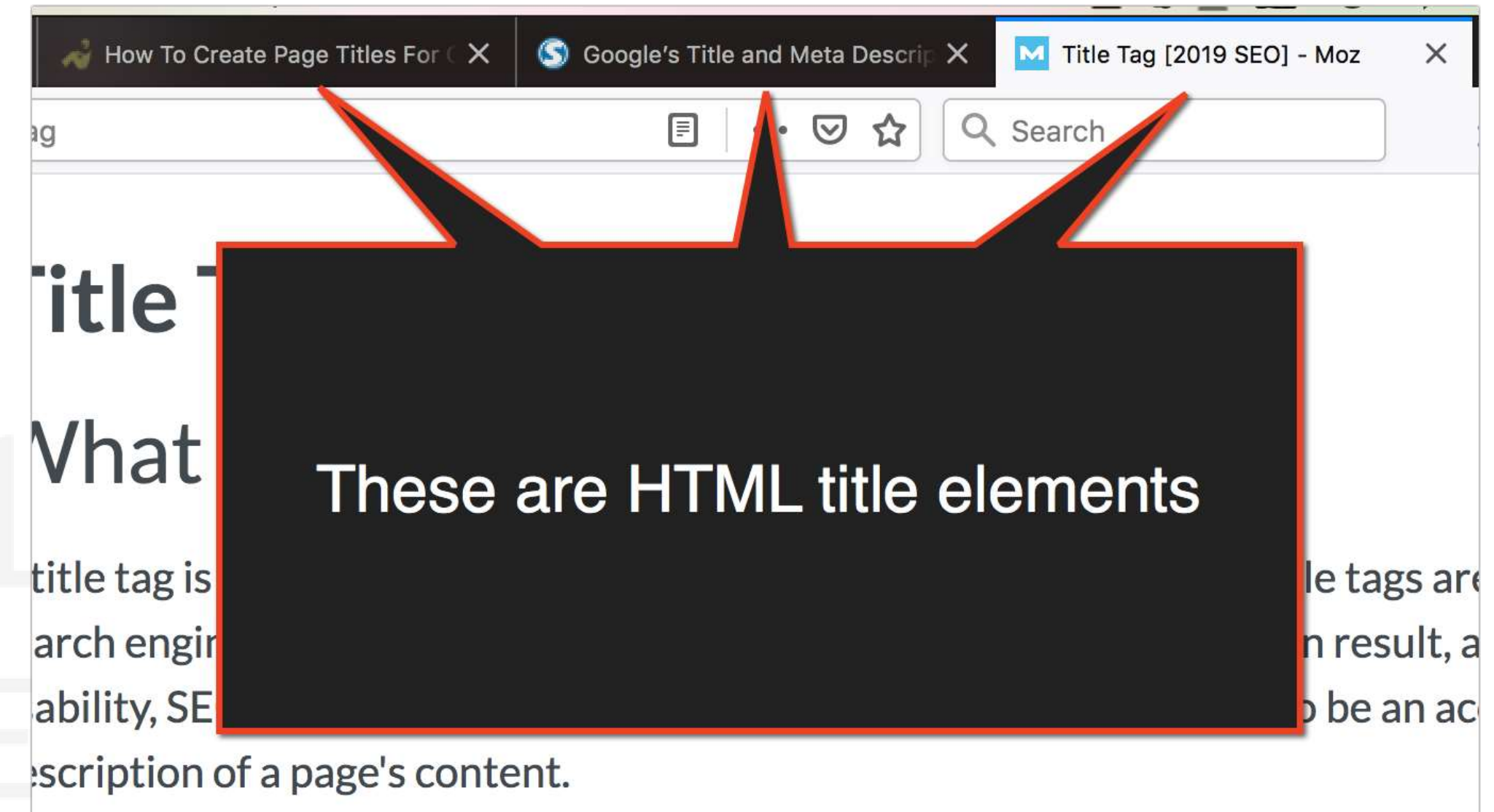
Common HTML Elements

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.

These are HTML title elements

Common HTML Elements

headings

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

<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

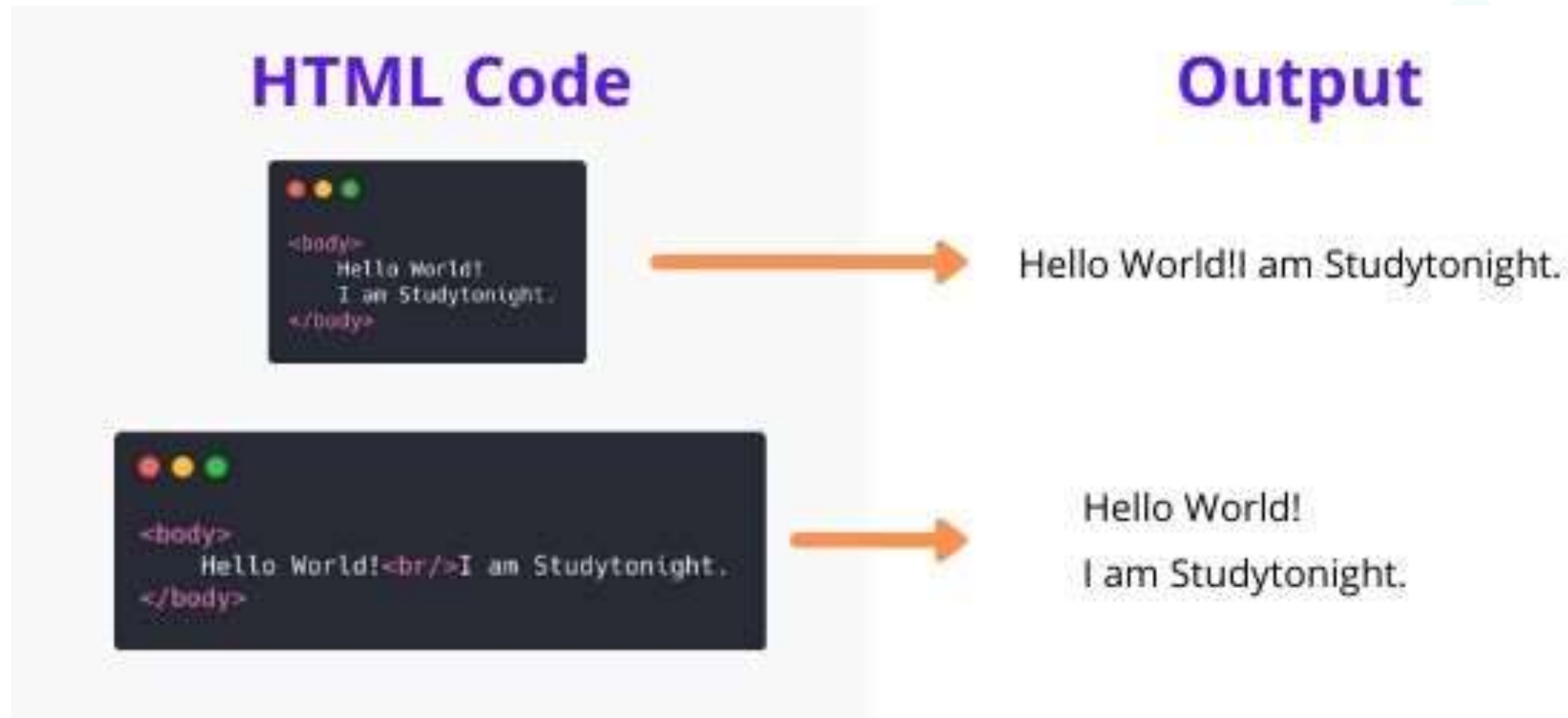- A paragraph always starts on a new line, and is usually a block of text.

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.

Google | 1000 طويق

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>
```

An unordered HTML list

- Item 1
- Item 2
- Item 3

An ordered HTML list

1. Item 1
2. Item 2
3. Item 3

Common HTML Elements

Tables

- HTML tables allow web developers to arrange data into rows and columns.

- **Table Cells**

  o Each table cell is defined by a <td> and a </td> tag, td stands for table data.

- **Table Rows**

  o Each table row starts with a <tr> and end with a </tr> tag.

- **Table Headers**

  o Sometimes you want your cells to be headers, in those cases use the <th> tag instead of the <td> tag:

Common HTML Elements

Tables

Company	Contact	Country
Alfreds Futterkiste	Maria Anders	Germany

```html
<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>
```

Summary

- Intro to HTML

- Common HTML elements

- Basic Layout / Template of an HTML Page

- HTML Tags and Elements

- Attributes

Resources

- W3 school