

HTML_01-Introduction-Elements-Tags-Attributes-Text

html1

Training Clarusway

Pear Deck - July 25, 2023 at 1:12PM

Part 1 - Summary

Use this space to summarize your thoughts on the lesson

Part 2 - Responses

Slide 1



Use this space to take notes:

Slide 2

Session Topics

- HTML Basics
- Elements, Tags and Attributes
- HTML Text

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Use this space to take notes:

Slide 3

Basics of HTML

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Basics of HTML

- ▶ What is HTML?
- ▶ History of HTML
- ▶ HTML Page Structure
- ▶ A Simple HTML Document

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Slide 5

Your Response



Did you finish HTML pre-class material?



Use this space to take notes:

Slide 6

Your Response

Slide 6

Your Response

A slide titled "Slide 6" featuring a large green pear with a smiling face in the center. Above the pear are two red arrows pointing right, and below it are two red arrows pointing left. The background has a faint watermark of the Clarusway logo. The text "What does 'HTML' stand for?" is displayed in red at the bottom left. At the bottom, there is a navigation bar with icons for back, forward, and search, and the text "SWAY Students, write your response!" and "Peer Deck Interactive Slide".

Use this space to take notes:

Slide 7

A slide titled "Slide 7" with a red arrow pointing right above the text "HTML stands for?". Below the text are four large letters: H, T, M, and L. Each letter is associated with a color and a small icon: H is red with a rocket ship icon, T is green with a document icon, M is blue with a pen icon, and L is orange with a speech bubble icon. Below each letter, the word is repeated: HYPER, TEXT, MARK UP, and LANGUAGE. At the bottom, there is a small CLARUSWAY logo.

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Slide 8



Use this space to take notes:

Slide 9

-
- ▶ HTML (HyperText Markup Language) is the code that is used to **structure a web page and its content**.
 - ▶ HTML is a markup language used to create documents on the web. It describes the structure and **layout of a web page**.
 - ▶ A HyperText is text displayed on a computer or device that **provides access to other text through links** (**hyperlinks**).

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Slide 10



Use this space to take notes:

Slide 11



Use this space to take notes:

Slide 12



Use this space to take notes:

Slide 13

Your Response

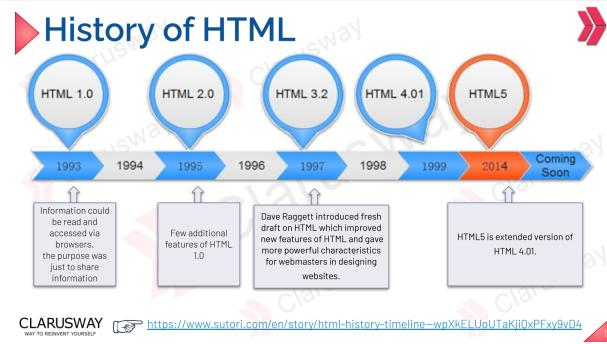
▶ History of HTML ➔

A slide titled "History of HTML" in bold blue letters. To the left of the title is a green pear icon with a smiling face. Below the title, the question "What is the latest HTML version?" is displayed in blue text. At the bottom of the slide, there is a note in blue text: "(Please answer the question on Pear Deck)". The background of the slide has a faint watermark of the word "Clarusway" repeated across it.

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Slide 14



Link(s) on this slide:

- <https://www.sutori.com/en/story/html-history-timeline--wpXkELUoUTaKjiQxPFxy9vD4>

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Slide 15



Link(s) on this slide:

- <http://info.cern.ch/hypertext/WWW/TheProject.html>

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Use this space to take notes:

Slide 17

HTML Page Structure

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► HTML Page Structure

The Basic Structure of HTML consist of 4 elements

- ▶ <!DOCTYPE>
- ▶ <html>
- ▶ <head>
- ▶ <body>

```
<html>
  <head>
    <title>
      html-page of a friendly guy
    </title>
  </head>
  <body>
    Here content should be written
  </body>
</html>
```

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► A Simple HTML Document

The DOCTYPE indicates the standards compliance or version of the document

The HTML element act as the root of the document

The HEAD element contains document metadata.The head contains the title and this is very important for SEO

The BODY element contains the content to be displayed

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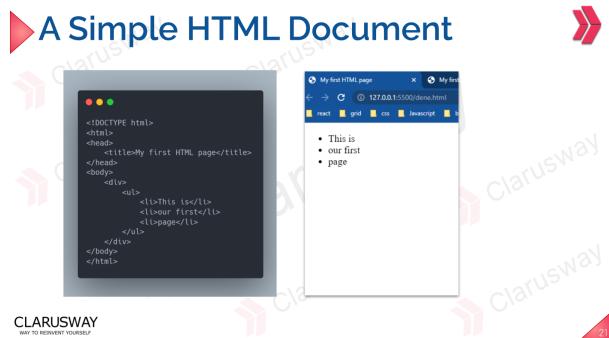
Use this space to take notes:

Slide 20



Use this space to take notes:

Slide 21



Use this space to take notes:

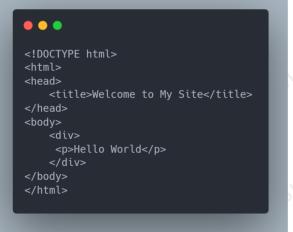
Slide 22

Creating "Hello World" HTML File on VS Code

Lets open vs code → Write your first code



Visual Studio Code



```
<!DOCTYPE html>
<html>
<head>
    <title>Welcome to My Site</title>
</head>
<body>
    <div>
        <p>Hello World</p>
    </div>
</body>
</html>
```

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HTML Elements, Tags and Attributes



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Your Response

Slide 24

Your Response



Please define
HTML element
HTML tag
HTML attribute
shortly!



Students, write your response!

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Do not remove this bar

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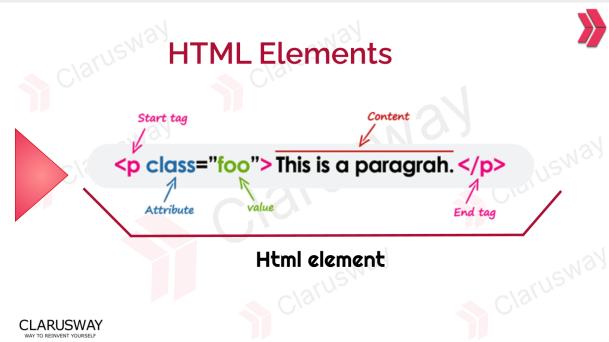
Table of Contents

- ▶ HTML Elements
- ▶ Nested HTML Elements
- ▶ Empty HTML Elements
- ▶ Tags
- ▶ Attributes

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Use this space to take notes:

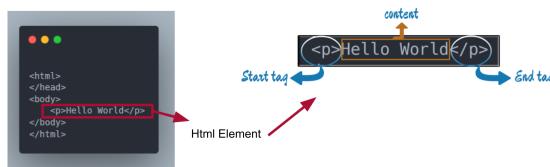
Slide 26



Use this space to take notes:

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HTML Elements



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Nested HTML Elements

 **HTML Element inside other element** is called **Nesting** of an element.

```
<html>
  <head>
    <title>Nested Structure</title>
  </head>
  <body>
    <p>Hello World</p>
  </body>
</html>
```

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Nested HTML Elements

 **Parent element**

 **Child element**

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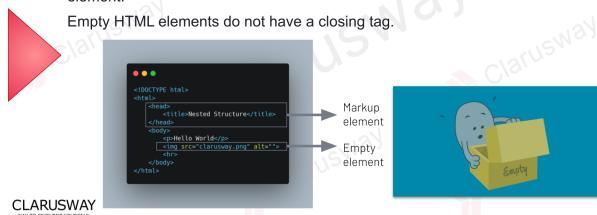
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Empty HTML Elements

If a HTML element does not have any content, it is called empty element.

Empty HTML elements do not have a closing tag.



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Empty HTML Elements

Element	Description
img	It accepts a source link of the image and some other attributes like height, width, etc., and is used to embed the image in the document.
br	The term br is an abbreviation for a break. It introduces a line break in the document.
hr	The horizontal rule is used to introduce a graphical line in the HTML document.
area	The area element is used inside the image map. It defines some particular clickable area for the image, which further may lead the user to a different link.
meta	We write this element in the head tag of the document. It is used to specify some metadata (information) about the page.
link	It establishes a link or association between some external resource and an HTML document. It is generally used inside the head tag.

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NOTE: source, col, input, embed are also among the empty elements.

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Slide 32

Your Response

Slide 32

Your Response



Which part is the content of body element?

```
<html>
  <body>
    <p>Hello World</p>
  </body>
</html>
```



Students, write your response!

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HTML Tags



HTML commands are called tags. Tags are written between the greater than or lesser signs < >.

Tags have a start and end with exceptions. End tags are indicated by the "/" sign.



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`<h1>Html tags</h1>`

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Basic HTML Tags

Tag	Description
<html> ... </html>	Declares the Web page to be written in HTML
<head> ... </head>	Delimits the page's head
<title> ... </title>	Defines the title (not displayed on the page)
<body> ... </body>	Delimits the page's body
<h1> ... </h1>	Delimits a level 1 heading
 ... 	Set ... in boldface
<i> ... </i>	Set ... in italics
<center> ... </center>	Center ... on the page horizontally
 ... 	Brackets an unordered (bulleted) list
 ... 	Brackets a numbered list
 ... 	Brackets an item in an ordered or numbered list
 	Forces a line break here
<p>	Starts a paragraph
<hr>	Inserts a horizontal rule
	Displays an image here
 ... 	Defines a hyperlink

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Your Response



<P> means the same as **<p>** in HTML.



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Slide 36

Your Response

Slide 36

Your Response

What is the difference between opening tag and closing tag?

```
<html>
  <body>
    <h1>Tags</h1>
  </body>
</html>
```



Students, write your response!

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HTML Tags

HTML is not case sensitive.



```
<p>
means the same as
<P>.
```

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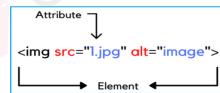
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HTML Attributes

HTML attributes provide additional information about HTML elements.

- ▶ All HTML elements can have attributes
- ▶ Attributes provide additional information about elements
- ▶ Attributes are always specified in the start tag



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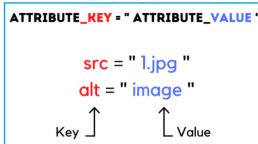
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HTML Attributes

HTML attributes provide additional information about HTML elements.

- ▶ Attributes usually come in name/value pairs like: name="value"



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HTML Attributes

A few examples of attributes are given below. You can see all the attributes at the link below.



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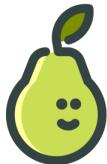
Link(s) on this slide:

- https://www.w3schools.com/tags/ref_attributes.asp

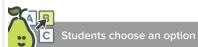
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Your Response



Attributes are always specified in the content part.



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Table of Contents

- ▶ Heading
- ▶ Paragraphs
- ▶ Horizontal Lines
- ▶ Line Breaks
- ▶ Comments

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Use this space to take notes:

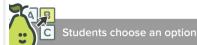
Slide 46

Your Response

Slide 46

Your Response

How many heading styles in HTML?



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Headings



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

HTML headings are defined with the `<h1>` to `<h6>` tags.

`<h1>` defines the most important heading. `<h6>` defines the least important heading.



NOTE: H tags are very important for SEO.

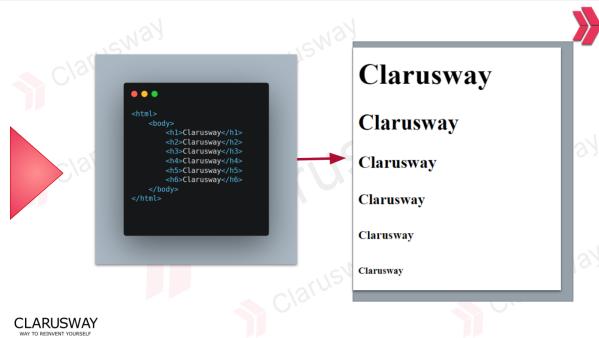
The most important information on the page should be written in h1

A page must have 1 H1.

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Use this space to take notes:

Slide 49

Your Response

A poll slide from Pear Deck. The question is "Is <h1> the primary heading for document true or false?". Two circular buttons are shown: a green one labeled "True" and a red one labeled "False". The red "False" button is selected. The slide includes a "Pear Deck" logo and the text "Students choose an option" and "Pear Deck Interactive Slide Do not refresh this tab".

Is `<h1>` the primary heading for document true or false?

True

False

Pear Deck

Students choose an option

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The HTML `<p>` element defines a paragraph. `<p>` turns text into paragraphs.

Diagram of an HTML p element structure:

- Element name: `<p>`
- Content: A grey box labeled "Content".
- Opening tag: `<p>`
- Closing tag: `</p>`

Code editor showing an example:

```
<!DOCTYPE html>
<html>
  <body>
    <p>This is first paragraph</p>
    <p>This is second paragraph</p>
  </body>
</html>
```

Use this space to take notes:

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Use this space to take notes:

Slide 53

The image shows a slide with a grey header containing the text "Slide 53". Below the header is a white area featuring a red play button icon on the left. To its right, the word "Practise" is written in red. Further to the right is a red double arrow icon. Below "Practise", the text "Create the following page using the h1 and p tags" is displayed. In the center of the white area is a box containing the title "The Raven" in bold black text. Below the title, two lines of text are shown: "Deep into that darkness peering," and "Long I stood there, wondering, fearing,". At the bottom left of the white area, there is a small logo with the text "CLARUSWAY" and "WAY TO REINVENT YOURSELF". The background of the slide is white.

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Use this space to take notes:

Slide 55

The slide features a red play button icon on the left. To its right, the text "Horizontal Line" is displayed in a red font. Below this, a code editor window shows the following HTML code:

```
<!DOCTYPE html>
<html>
<head>
<title>Clarusway IT Courses</title>
</head>
<body>
<h1>Clarusway IT Courses</h1>
<hr/>
<ul>
<li>Software Development Programs</li>
<li>Data Science Programs</li>
<li>Salesforce</li>
</ul>
</body>
</html>
```

On the right side of the slide, there is a screenshot of a website titled "Clarusway It Courses". The website has a header "Software Development Programs", followed by a list of courses: "Data Science Programs" and "Salesforce". Red arrows point from the code editor's <hr/> tag to the horizontal line in the website screenshot.

Use this space to take notes:

Slide 56



Use this space to take notes:

Slide 57

A slide titled "Line Breaks" with a red play button icon. It contains a code editor showing HTML code with a red arrow pointing from the code to a preview window. The preview window shows the text "Clarusway It Courses" on one line and "Online IT Courses to Become a Qualified IT Professional with Claruswa" on the next line. The CLARUSWAY logo is at the bottom left.

Insert single line breaks in a text. **
** tag is an empty tag.

```
<!DOCTYPE html>
<html>
<body>
<h1>Clarusway It Courses</h1>
<p>Online IT Courses to Become a Qualified IT Professional with Claruswa</p>
<br>
<p>Join outstanding companies with rewarding salaries. We offer the highest-demand IT skills YOU need for success!</p>
</body>
</html>
```

Clarusway It Courses

Online IT Courses to Become a Qualified IT Professional with Claruswa

Join outstanding companies with rewarding salaries. We offer the highest-demand IT skills YOU need for success!

Use this space to take notes:

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Use this space to take notes:

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The image shows a slide with a white background. On the left, there is a large red play button icon. Next to it, the word 'Practise' is written in red. Below that, the text 'Create the following page' is written in black. In the center, there is a box with a black border. The title of the box is 'What is Full Stack?'. Inside the box, there is a section titled 'Full Stack Web Developer' with the text: 'full stack web developer is a person who can develop both client and server software.' Below this, there is a list of skills: 'In addition to mastering HTML and CSS, he/she also knows how to:' followed by 'Program a browser (like using JavaScript, jQuery, Angular, or Vue)', 'Program a server (like using PHP, ASP, Python, or Node)', and 'Program a database (like using SQL, SQLite, or MongoDB)'. At the bottom of the box, there is a link icon and the URL 'https://www.w3schools.com/whatis/whatis_fullstack.asp#:~:text=A%20full%20stack%20web%20developer,ASP%2C%20Python%2C%20or%20Node'.

Link(s) on this slide:

- https://www.w3schools.com/whatis/whatis_fullstack.asp#:~:text=A%20full%20stack%20web%20developer,ASP%2C%20Python%2C%20or%20Node
- https://www.w3schools.com/whatis/whatis_fullstack.asp#:~:text=A%20full%20stack%20web%20developer,ASP%2C%20Python%2C%20or%20Node

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Slide 60

Your Response

Which one is not a valid HTML tag?



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Slide 61



Use this space to take notes:

Slide 62

HTML Comments

HTML comments are not displayed in the browser, but they can help document your HTML source code.

An HTML comment begins with `<!--` and the comment closes with `-->`

`<!-- Comment -->`

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HTML Comments

```
<!DOCTYPE html>
<html>
<body>
    <h1>Clarusway: Full Stack Developer</h1>
    <p>Become a software and application developer, well-equipped with both front-end and back-end.</p>
</body>
</html>
```

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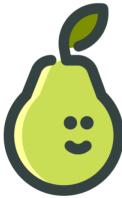
Use this space to take notes:

Slide 64

Your Response

Slide 64

Your Response



*Do we need a review?
if so: which part?*



Students choose an option

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Do not remove this box

Use this space to take notes:

Slide 65

Your Response



*Please summarize
today's topics in your words!*



Students, write your response!

Pear Deck Interactive Slide 25
Do not remove this box

Use this space to take notes:

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Use this space to take notes:

Slide 67

THANKS!

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