

19.01.2023 Getting Started

Assignment



1. Why do we start learning a programming language with "Hello, World!"?
2. How is the use of comments and how do you write comments in HTML?
3. What are elements, tags, and attributes, and the difference between them.
4. Briefly explain what HTML entities are.

Note: Please create a Google Document and write your answers and upload the shareable link of the Google Document with view access during the submission of the assignment.

1) Why do we start learning a programming language with "Hello, World!"?

Ans) Traditionally, "Hello World" programs are used to illustrate how the process of coding works, as well as to ensure that a language or system is operating correctly. They are usually the first programs that new coders learn because even those with little or no experience can execute Hello World both easily and correctly

2) How is the use of comments and how do you write comments in HTML?

Ans) HTML comments are a way to add notes and explanations to your HTML code without them being visible to users when the page is rendered in a web browser. They are used to provide context and documentation for the code and can be useful for commenting out parts of your code that you want to temporarily disable without removing them entirely.

One can add comments to your HTML code by enclosing them within the `<!--` and `-->` tags.

eg. `<!-- This is a comment, hence it will not be displayed in the browser -->`

3) What are elements, tags, and attributes, and the difference between them?

Ans) In HTML, elements are the individual components of an HTML document, such as headings, paragraphs, and images. Each element is represented by a corresponding HTML tag. For example, a paragraph element is

represented by the `<p>` tag, and a heading element is represented by the `<h1>`, `<h2>`, etc. tags. The element content is the content between the opening and closing tags.

Tags are used to define the structure and layout of a webpage. They are the basic building blocks that are used to create elements on a page. For example, the `<p>` tag is used to create a paragraph element, while the `<h1>` tag is used to create a heading element. The tag may appear in pairs, with an opening tag and a closing tag, like this: `<tag>Content</tag>` or sometimes self-closing like: `<tag />`.

Attributes are used to provide additional information about an element. They are added to the opening tag of an element and they always come in the form of name-value pairs. For example, the 'src' attribute is used to specify the source of an image, and the 'href' attribute is used to specify the destination of a link.

4) Briefly explain what HTML entities are.

Ans) Some characters are reserved in HTML. Character entities are used to display reserved characters in HTML.

A character entity looks like this:

`&entity_name;`

OR

`&#entity_number;`

When one has to use the less than (`<`) or greater than (`>`) signs in your text, the browser might mix them with tags. To display a less than sign (`<`) we must write: `<` or `<`;