

# Assignment Answer

## Web development..

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**1. Why do we start learning a programming language with “Hello World!”**

**Ans:-** We start with "Hello, World!" because it's a super simple way to learn the basics of a programming language. It helps you:

**Check Setup:** Make sure everything is working right.

**Learn Basics:** Understand how to write and run code.

**See Output:** Easily see the results on the screen.

**It's like an easy first step to make sure you're ready to learn more!**

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

**Ans:-** Comments in HTML are like sticky notes you add to your code to explain what different parts do. They help you (and others) understand your code better.

**\*\*How to Write Comments in HTML\*\***

**To write a comment in HTML:**

1. **\*\*Start with `<!--`\*\***

2. **\*\*Write your comment\*\***

3. **\*\*End with `-->`\*\***

**\*\*Example\*\***

```
``html
```

```
<!-- This is a comment -->
```

```
<p>Hello, World!</p> <!-- This is another comment -->
```

**\*\*What Comments Do\*\***

**\*\*Explain Code:\*\*** Describe what parts of your code are doing.

**\*\*Add Notes:\*\*** Leave reminders or helpful hints for yourself or others.

**\*\*Hide Code:\*\*** Temporarily hide code without deleting it.

Comments don't show up on the web page; they're just for you and others who look at your code!

3. **What are elements tags and attributes and the difference between them ??**

**Ans:-**Sure! Think of HTML as a way to build a web page, and it uses three main things to do this: elements, tags, and attributes. Here's how they work:

**\*\*1. Elements\*\***

- **\*\*What They Are:\*\*** Elements are the building blocks of your web page. They create things like paragraphs, links, and images.

- **\*\*Example:\*\*** `

Hello, World!</p>` is a paragraph element.

**\*\*2. Tags\*\***

- **What They Are:** Tags are special words that mark the start and end of an element. They tell the browser what type of element it is.
- **Start Tag:** `<p>` (starts the paragraph)
- **End Tag:** `</p>` (ends the paragraph)

### **3. Attributes**

- **What They Are:** Attributes give extra information about an element. They're like details or settings for the element.
- **Example:** `<a href="https://example.com">Click here</a>`
  - **href** is an attribute for the link element (`<a>`) that tells where the link goes.

### **Differences**

**Elements:** The whole thing, like a paragraph or a link.

**Tags:** The specific markers that define the beginning and end of an element.

**Attributes:** Extra info inside the tags that customize or add details to the element.

So, elements are like the main parts of your web page, tags are the labels that tell the browser what those parts are, and attributes are the extra details that change how those parts work or look.

### **4. Briefly explain what are html entities ?**

**Ans:-** HTML entities are special codes used to display characters that are hard to type or have special meanings in HTML. They start with `&` and end with `;`. For example, `&lt;` is for `<` and `&amp;` is for `&`.

