

## MODULE 3 & 4

### Assignment 1: Short Answer Questions

#### 1. What is the use of heading tags `<h1>` to `<h6>`?

Heading tags are used to define headings on a web page. `<h1>` is the most important heading and `<h6>` is the least important.

#### 2. What is the difference between `<h1>` and `<h6>`?

`<h1>` displays the largest and most important heading, while `<h6>` displays the smallest and least important heading.

#### 3. What is the purpose of the `<p>` tag?

The `<p>` tag is used to write paragraphs of text on a web page.

#### 4. What is the difference between `<br>` and `<hr>`?

`<br>` is used to add a line break within text.

`<hr>` is used to add a horizontal line to separate content.

#### 5. Write the difference between `<b>` and `<strong>`.

`<b>` makes text bold for visual appearance only.

`<strong>` makes text bold and also gives it importance for SEO and screen readers.

#### 6. Write the difference between `<i>` and `<em>`.

`<i>` makes text italic for style only.

`<em>` makes text italic and shows emphasis or importance.

#### 7. What is the use of `<mark>` tag?

The `<mark>` tag is used to highlight text, usually in yellow color.

**8. Where do we use `<small>` tags in real websites?**

The `<small>` tag is used for less important text like copyright messages, terms and conditions, or footnotes.

**9. What is the use of `<del>` tag?**

The `<del>` tag is used to show deleted or removed text with a line through it.

**10. Explain the use of `<sup>` and `<sub>` with examples.**

`<sup>` is used to display superscript text, like powers.

Example: `x<sup>2</sup>`

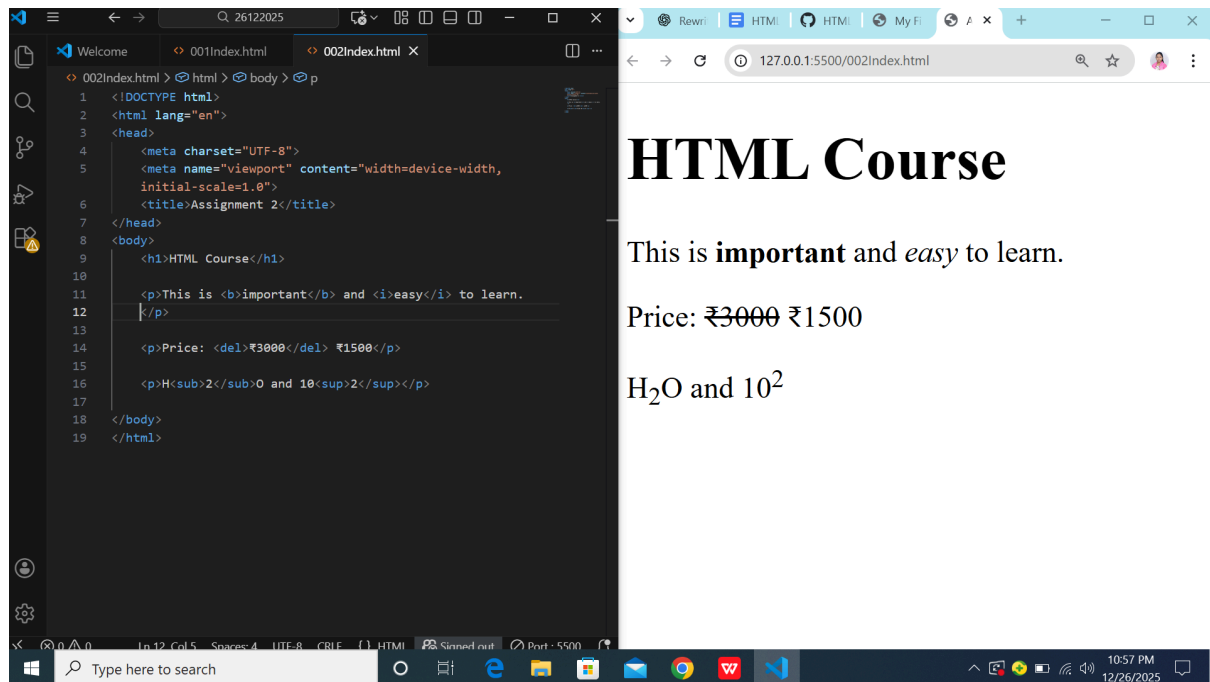
`<sub>` is used to display subscript text, like chemical formulas.

Example: `H<sub>2</sub>O`

## Assignment 2: Identify the Output

Write the output of the following HTML code:

1. `<h1>HTML Course</h1>`
2. `<p>This is <b>important</b> and <i>easy</i> to learn.</p>`
3. `<p>Price: <del>₹3000</del> ₹1500</p>`
4. `<p>H<sub>2</sub>O and 10<sup>2</sup></p>`

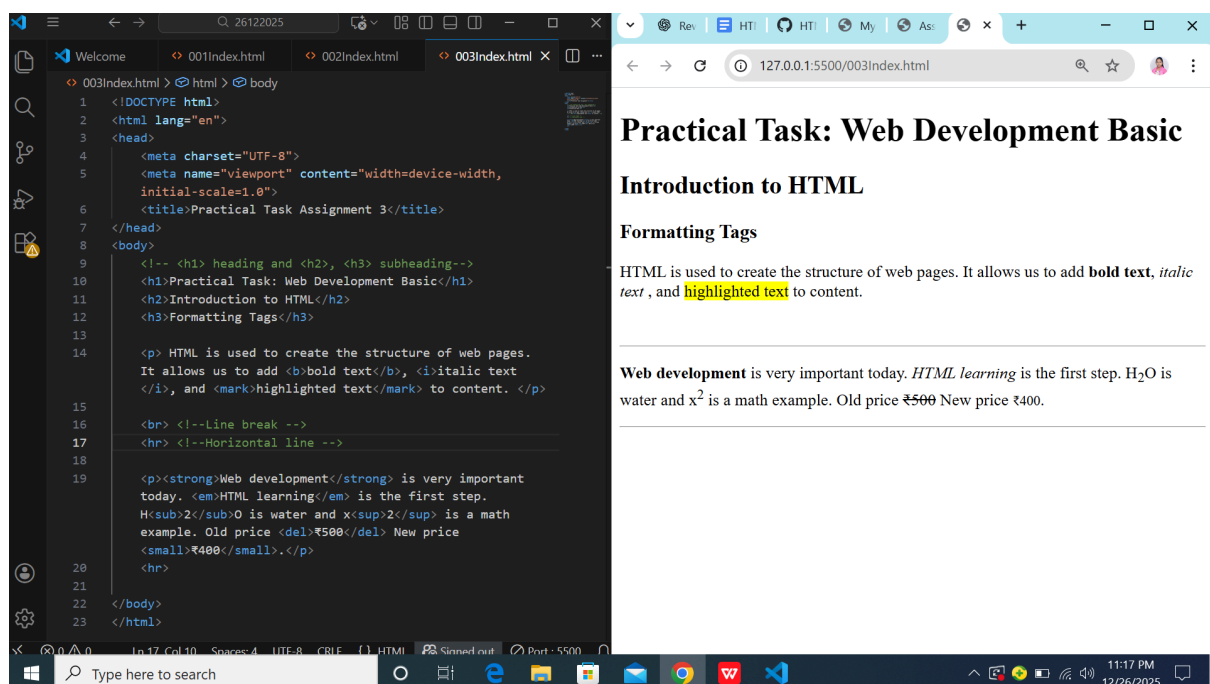


## Assignment 3: Practical Task

Create an HTML page that includes:

1. One <h1> heading and two subheadings
2. Two paragraphs using <p>
3. A line break using <br>
4. A horizontal line using <hr>
5. Use at least **5 formatting tags** from the following:

<b>, <strong>, <i>, <em>, <mark>, <small>, <del>, <sup>, <sub>



## Assignment 4: Short Answer Questions

### 1. What is an anchor tag?

An anchor tag is used to create hyperlinks that connect one web page to another or to a specific part of a page.

### 2. What is the syntax of the `<a>` tag?

```
<a href="url">Link Text</a>
```

### 3. What is the difference between absolute and relative paths?

1. An absolute path gives the full address of a file or website.
2. A relative path gives the address of a file relative to the current page.

### 4. Give one example of an absolute path.

```
<a href="https://www.google.com">Google</a>
```

### 5. Give one example of a relative path.

```
<a href="about.html">About Us</a>
```

### 6. What is the use of the `<img>` tag?

The `<img>` tag is used to display images on a web page.

### 7. Why is the `alt` attribute important in images?

The `alt` attribute provides alternative text if the image does not load and helps screen readers for visually impaired users.

### 8. What is the use of width and height attributes?

The width and height attributes are used to set the size of an image on a web page.

### 9. How can you open a link in a new tab?

By using the `target="_blank"` attribute in the anchor tag.

Example:

```
<a href="https://www.example.com" target="_blank">Open Link</a>
```

### 10. What is an image link?

An image link is an image that works as a clickable link to another page or website.

### Assignment 5: Fill in the Blanks:

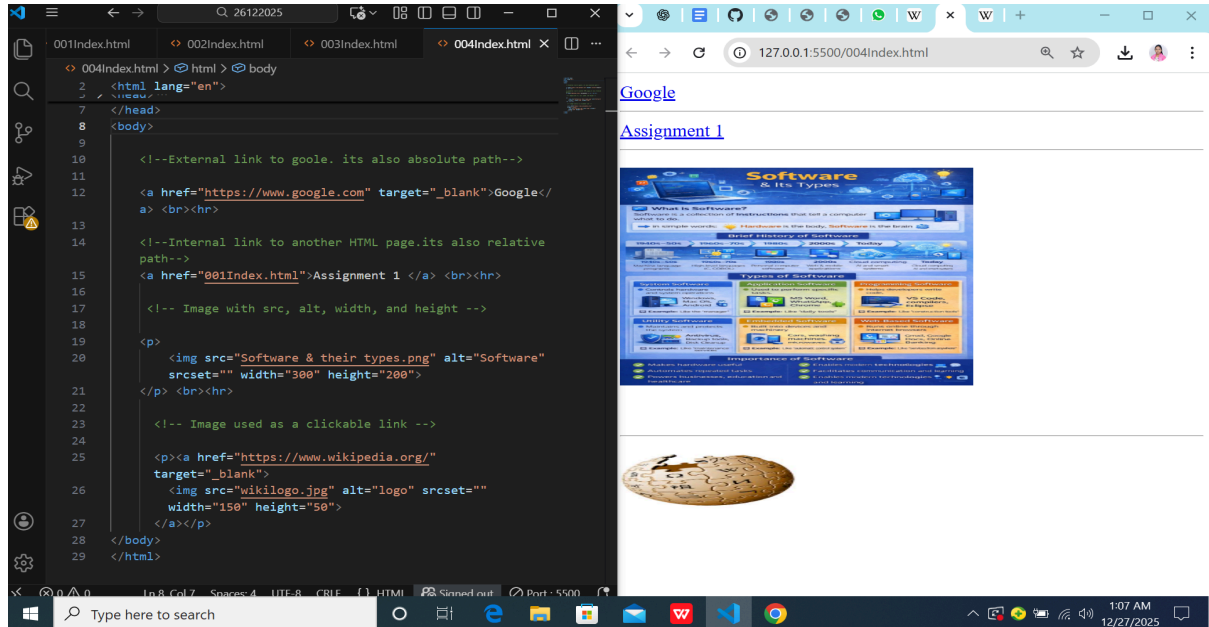
1. The tag used to create a hyperlink is **<a>**.
2. The attribute that specifies the image path is **src**.
3. The attribute used to open a link in a new tab is **target="\_blank"**.
4. The text shown when an image does not load is called **alt**.
5. The tag used to display an image is **<img>**.

### Assignment 6: Practical Task

Create an HTML page that includes:

1. One external link to Google

2. One internal link to another HTML page
3. One image with src, alt, width, and height
4. One image used as a clickable link



## Assignment 7: Error Identification

Find and correct the errors:

1. `<a>Visit Google </a>`

**Problem:** The anchor tag is missing the `href` attribute.

**Correct Code:**

```
<a href="https://www.google.com">Visit Google</a>
```

2. `<img href="photo.jpg">`

**Problem:** The `<img>` tag does not use `href`. It should use the `src` attribute.

**Correct Code:**

```

```

3. `<a href="home.html">`

**Problem:** The anchor tag is not closed and has no link text.

**Correct Code:**

```
<a href="home.html">Home</a>
```

## **Assignment 8: Real-Life Scenario – College Website**

### **1. Where will you use hyperlinks on the website?**

Hyperlinks will be used in the navigation menu to link pages such as Home, About, Courses, Admissions, Results, and Contact Us. They will also be used for notices, downloads, and external links.

### **2. Where will you use images?**

Images will be used to show the college campus, classrooms, events, faculty members, student activities, and achievements. Images make the website more attractive and informative.

### **3. Which paths will you use for internal pages and why?**

Relative paths will be used for internal pages because they work within the same website folder and make the website easier to manage and move to another server.

## **Assignment 9: Interview-Oriented Questions**



### **1. Why should only one `<h1>` be used per page?**

Only one `<h1>` should be used because it represents the main heading of the page. It helps search engines and screen readers clearly understand the main topic of the page.

### **2. What happens if the `alt` attribute is missing?**

If the `alt` attribute is missing, users will not see any text when the image fails to load, and screen readers will not be able to describe the image to visually impaired users.

### **3. Can an image be used as a link? Explain how.**

Yes, an image can be used as a link by placing the `<img>` tag inside an `<a>` tag. When the image is clicked, it opens the linked page.

### **4. Why are relative paths preferred in real projects?**

Relative paths are preferred because they work within the website structure, are easy to manage, and do not break when the website is moved to another server or domain.