

Task for November 26 (Day 1) - Detailed Coding Steps:

Step 1: Create a New HTML File

Open your text editor and create a new file. Save it with a meaningful name and use the `.html` extension. For example, you can name it `index.html`.

Step 2: Set Up HTML Structure

Inside your HTML file, set up the basic structure of an HTML document. This structure includes the `<!DOCTYPE html>` declaration, the `<html>` element with the `lang` attribute, the `<head>` section, and the `<body>` section.

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>My First HTML Page</title>
```

```
</head>
```

```
<body>
```

```
  <!-- Your content will go here -->
```

```
</body>
```

```
</html>
```

Step 3: Add Content Using HTML Tags

Inside the `<body>` section, start adding content using various HTML tags. Here's an example with comments explaining each part:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>My First HTML Page</title>

</head>

<body>

  <!-- Heading -->

  <h1>Welcome to My Website!</h1>


  <!-- Paragraph -->

  <p>This is my first HTML page. I'm excited to learn web development!</p>


  <!-- Subheading and Unordered List -->

  <h2>Things to Learn:</h2>

  <ul>

    <!-- List Items with Strong Tag for Bold Text -->

    <li><strong>HTML:</strong> The structure of a web page.</li>

    <li><strong>CSS:</strong> Styling and layout of web pages.</li>

    <li><strong>JavaScript:</strong> Adding interactivity to web pages.</li>

  </ul>
```

```
<!-- Hyperlink -->
```

```
<p>Check out the <a href="https://www.example.com">Example Website</a>  
for more information.</p>
```

```
<!-- Image -->
```

```

```

```
</body>
```

```
</html>
```

Step 4: Save and Open in a Browser

Save the file and open it in a web browser (e.g., Chrome, Firefox, or Edge). You can do this by right-clicking on the HTML file and selecting "Open with" your preferred browser.

Additional Challenge (Optional):

Experiment with more HTML tags. For example, try using `<a>` for creating links, `` for displaying images, `` and `` for text formatting, and other tags you find interesting.

Extra knowledge for a day

Steps to Convert HTML to PDF using html2pdf.js:

Include html2pdf.js Library:

Add the following script tag to your HTML file to include the html2pdf.js library. Place it just before the closing </body> tag.

```
<script  
src="https://rawgit.com/eKoopmans/html2pdf/master/dist/html2pdf.bundle.js"></script>
```

Add a Button for PDF Conversion:

Add a button that users can click to generate the PDF. For example:

```
<button onclick="generatePDF()">Generate PDF</button>
```

JavaScript Function to Generate PDF:

Add the following JavaScript function to your HTML file. This function uses html2pdf to convert the HTML content to a PDF.

```
<script>  
  
function generatePDF() {  
  
    var element = document.body;  
  
    html2pdf(element);  
  
}  
  
</script>
```

Full HTML Document:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>My First HTML Page</title>
```

```
  <script  
src="https://rawgit.com/eKoopmans/html2pdf/master/dist/html2pdf.bundle.js"></script>
```

```
</head>
```

```
<body>
```

```
  <h1>Welcome to My Website!</h1>
```

```
  <p>This is my first HTML page. I'm excited to learn web development!</p>
```

```
  <h2>Things to Learn:</h2>
```

```
  <ul>
```

```
    <li><strong>HTML:</strong> The structure of a web page.</li>
```

```
<li><strong>CSS:</strong> Styling and layout of web pages.</li>
```

```
<li><strong>JavaScript:</strong> Adding interactivity to web pages.</li>
```

```
</ul>
```

```
<p>Check out the <a href="https://www.sbrcinfosys.com/">SBRC</a> for more  
information.</p>
```

```

```

```
<button onclick="generatePDF()">Generate PDF</button>
```

```
<script>
```

```
function generatePDF() {  
  
    var element = document.body;  
  
    html2pdf(element);  
  
}
```

```
</script>
```

```
</body>
```

```
</html>
```

Now, when users click the "Generate PDF" button, it will convert the HTML content to a PDF document using the html2pdf.js library.