**HTML Tutorial**

HTML, or HyperText Markup Language, is the language used to create websites. It’s like the building blocks of a webpage. With HTML, you can add text, images, links, and more to a page. This tutorial will guide you step by step to create your first webpage. Let’s get started!

**Step 1: Basic Structure of an HTML Page**

Every HTML page starts with a basic structure. Here’s how it looks:

<!DOCTYPE html>

<html>

<head>

<title>My First Webpage</title>

</head>

<body>

<!-- Your content goes here -->

</body>

</html>

**Explanation:**

1. **<!DOCTYPE html>**: Tells the browser this is an HTML5 document.
2. **<html>**: The root tag that contains all your HTML code.
3. **<head>**: Contains information about the page, like its title.
4. **<body>**: This is where the visible content of your webpage goes.

**Step 2: Adding Headings and Paragraphs**

Let’s add some text to your webpage.

<body>

<h1>Welcome to My Webpage</h1>

<p>This is my first paragraph. HTML is fun!</p>

</body>

**Explanation:**

1. **<h1>**: Creates a big heading. You can use <h1> to <h6> for different sizes.
2. **<p>**: Adds a paragraph of text.

**Step 3: Adding an Image**

Images make webpages interesting. Use the <img> tag to add an image.

<body>

<h1>My Favorite Animal</h1>

<img src="cat.jpg" alt="A cute cat">

</body>

**Explanation:**

1. **src**: Specifies the location of the image file.
2. **alt**: Describes the image if it doesn’t load.

Make sure the image file (e.g., cat.jpg) is in the same folder as your HTML file.

**Step 4: Adding Links**

Use the <a> tag to create clickable links.

<body>

<p>Visit my favorite website:</p>

<a href="https://www.example.com">Click Here</a>

</body>

**Explanation:**

1. **href**: Specifies the URL of the link.
2. The text between <a> and </a> becomes the clickable link.

**Step 5: Creating a List**

Lists help organize information. There are two types: ordered and unordered.

**Unordered List:**

<body>

<h2>My Favorite Fruits</h2>

<ul>

<li>Apple</li>

<li>Banana</li>

<li>Cherry</li>

</ul>

</body>

**Ordered List:**

<body>

<h2>Steps to Make a Sandwich</h2>

<ol>

<li>Get bread</li>

<li>Add peanut butter</li>

<li>Add jelly</li>

<li>Put the slices together</li>

</ol>

</body>

**Explanation:**

1. **<ul>**: Creates an unordered list (bullets).
2. **<ol>**: Creates an ordered list (numbers).
3. **<li>**: Defines each list item.

**Step 6: Adding Style**

You can make your webpage colorful and fun using styles. Add the style attribute.

<body>

<h1 style="color:blue;">Welcome to My Webpage</h1>

<p style="font-size:20px;">This paragraph is larger!</p>

</body>

**Explanation:**

1. **color**: Changes the text color.
2. **font-size**: Changes the size of the text.

**Step 7: Adding a Table**

Tables are useful to display information in rows and columns.

<body>

<h2>My Schedule</h2>

<table border="1">

<tr>

<th>Day</th>

<th>Activity</th>

</tr>

<tr>

<td>Monday</td>

<td>Soccer</td>

</tr>

<tr>

<td>Tuesday</td>

<td>Music</td>

</tr>

</table>

</body>

**Explanation:**

1. **<table>**: Creates a table.
2. **<tr>**: Defines a table row.
3. **<th>**: Defines a header cell.
4. **<td>**: Defines a regular cell.

**Step 8: Adding a Form**

Forms allow users to input data.

<body>

<h2>Contact Me</h2>

<form>

<label for="name">Name:</label>

<input type="text" id="name" name="name"><br><br>

<label for="email">Email:</label>

<input type="email" id="email" name="email"><br><br>

<input type="submit" value="Submit">

</form>

</body>

**Explanation:**

1. **<form>**: Starts the form.
2. **<label>**: Labels the input fields.
3. **<input>**: Allows users to enter data.

**Step 9: Save and View Your Webpage**

1. Open a text editor (like Notepad or Visual Studio Code).
2. Type your HTML code.
3. Save the file with a .html extension (e.g., mywebpage.html).
4. Open the file in a browser to see your webpage!

**Bonus: A Complete Example**

Here’s how a simple webpage looks:

<!DOCTYPE html>

<html>

<head>

<title>My First Webpage</title>

</head>

<body>

<h1 style="color:green;">Welcome to My Webpage</h1>

<p>This is my first paragraph. HTML is fun!</p>

<img src="cat.jpg" alt="A cute cat">

<p>Visit my favorite website: <a href="https://www.example.com">Click Here</a></p>

<h2>My Favorite Fruits</h2>

<ul>

<li>Apple</li>

<li>Banana</li>

<li>Cherry</li>

</ul>

<h2>My Schedule</h2>

<table border="1">

<tr>

<th>Day</th>

<th>Activity</th>

</tr>

<tr>

<td>Monday</td>

<td>Soccer</td>

</tr>

<tr>

<td>Tuesday</td>

<td>Music</td>

</tr>

</table>

<h2>Contact Me</h2>

<form>

<label for="name">Name:</label>

<input type="text" id="name" name="name"><br><br>

<label for="email">Email:</label>

<input type="email" id="email" name="email"><br><br>

<input type="submit" value="Submit">

</form>

</body>

</html>