

HTML forms :

HTML, forms and input elements are essential for collecting user input and creating interactive web pages.

1. **Basic Form Structure:**

A simple form structure consists of the `<form>` element, which encloses various input elements. The `action` attribute specifies the URL where the form data should be sent, and the `method` attribute defines the HTTP method (usually "GET" or "POST").

```
```html
<form action="/submit_form" method="post">
 <!-- Input elements go here -->
</form>
```
```

2. **Text Input:**

The `<input>` element with the `type` attribute set to "text" creates a text input field. Users can enter alphanumeric characters into this field.

```
```html
<form action="/search" method="get">
 <label for="search">Search:</label>
 <input type="text" id="search" name="q" placeholder="Enter your search query">
 <input type="submit" value="Search">
</form>
```
```

In this example, a search form is created with a text input field and a submit button.

3. **Checkbox:**

The `<input>` element with the `type` attribute set to "checkbox" creates a checkbox. Users can check or uncheck this input.

```
```html
<form action="/subscribe" method="post">
 <label for="subscribe">Subscribe to newsletter:</label>
 <input type="checkbox" id="subscribe" name="subscribe" value="yes">
 <input type="submit" value="Subscribe">
</form>
```
```

This example shows a simple newsletter subscription form with a checkbox.

4. ****Radio Buttons:****

The `<input>` element with the `type` attribute set to "radio" creates a radio button. Radio buttons are typically used when users need to choose one option from a group.

```
```html
<form action="/choose_color" method="post">
 <label>Choose your favorite color:</label>
 <input type="radio" id="red" name="color" value="red">
 <label for="red">Red</label>

 <input type="radio" id="blue" name="color" value="blue">
 <label for="blue">Blue</label>

 <input type="radio" id="green" name="color" value="green">
 <label for="green">Green</label>

 <input type="submit" value="Submit">
</form>
```
```