HTML Forms use the <form> tag to collect user input through various interactive controls. These controls range from text fields, numeric inputs, and email fields to password fields, checkboxes, radio buttons, and submit buttons.

* HTML Forms Example
  + Basic HTML Forms
  + Advance HTML Forms

<form>

<!--form elements-->

</form>

## 

**Html form tags and its descrption**.

<label> It defines labels for <form> elements.

<input> It is used to get input data from the form in various types such as text, password, email, etc by changing its type.

<button> It defines a clickable button to control other elements or execute a functionality.

<select> It is used to create a drop-down list.

<textarea> It is used to get input long text content.

<fieldset> It is used to draw a box around other form elements and group related data.

<legend> It defines a caption for fieldset elements

<datalist> It is used to specify pre-defined list options for input controls.

<output> It displays the output of performed calculations.

<option> It is used to define options in a drop-down list.

<optgroup> It is used to define group-related options in a drop-down list.

------------------------------------------------------------------------------------------------------

**Commonly Used Input Types in HTML Forms**

In HTML forms, various input types are used to collect different types of data from users. Here are some commonly used input types:

Input Type Description

<input type=”text”> Defines a one-line text input field

<input type=”password”> Defines a password field

<input type=”submit”> Defines a submit button

<input type=”reset”>Defines a reset button

<input type=”radio”>Defines a radio button

<input type=”email”>Validates that the input is a valid email address.

<input type=”number”>Allows the user to enter a number. You can specify min, max, and step attributes for range.

<input type=”checkbox”>Used for checkboxes where the user can select multiple options.

<input type=”date”>Allows the user to select a date from a calendar.

<input type=”time”>Allows the user to select a time.

<input type=”file”>Allows the user to select a file to upload.

**Example 1: Basic HTML Forms**

Example: This HTML form collects user personal information such as username and password with a button to submit the form.

<!DOCTYPE html>

<html lang="en">

<head>

<title>Html Forms</title>

</head>

<body>

<h2>HTML Forms</h2>

<form>

<label for="username">Username:</label><br>

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

<label for="password">Password:</label><br>

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

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

</form>

</body>

​</html>

**Advance form example with required attribute:-**

<!DOCTYPE html>

<html lang="en">

<head>

<title>HTML Form</title>

</head>

<body>

<form align="center">

<fieldset>

<legend>User Personal Information</legend>

<label for="name">Enter your full name:</label>

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

<label for="email">Enter your email:</label>

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

<label for="password">Enter your password:</label>

<input type="password" id="password" name="pass" required /><br><br>

<label for="confirmPassword">Confirm your password:</label>

<input type="password" id="confirmPassword" name="confirmPass" required /><br><br>

<label>Enter your gender:</label><br>

<div>

<input type="radio" name="gender" value="male" id="male" required />

<label for="male">Male</label>

<input type="radio" name="gender" value="female" id="female" />

<label for="female">Female</label>

<input type="radio" name="gender" value="others" id="others" />

<label for="others">Others</label>

</div>

<label for="dob">Enter your Date of Birth:</label>

<input type="date" id="dob" name="dob" required /><br><br>

<label for="address">Enter your Address:</label>

<textarea id="address" name="address" required></textarea><br><br>

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

</fieldset>

</form>

</body>

</html>

—--------------------------------------------------------------------------------------------------------------------

PENDING PROJECT DO IT…………………………