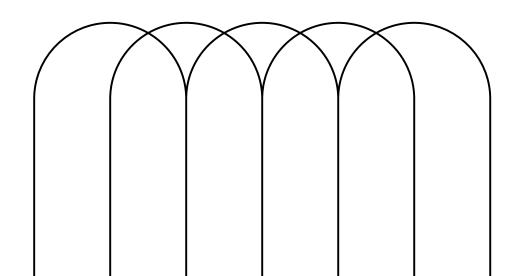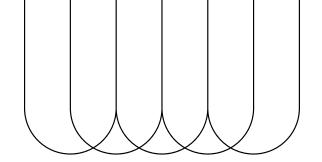# HTML FORMS

HTML Forms

HTML form is an important feature of web development. It allows us to share user data with server via sign-up forms, search bar and filters, feedback or enquiry forms etc.
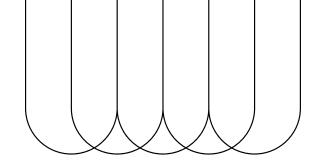
Form Structure

```
<form action="/action.php" method="POST">
    <!-- Form fields/elements -->
</form>
```

‹Form› is a container that holds/wraps entire form elements.

action specifies the path where this form data will be sent.

method specifies how data will be sent (GET or POST).

Form Elements

HTML Form provides many form element to get different types of data from users.

Input (<input>)

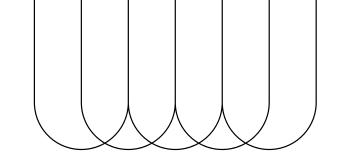<input> element provides a text field where user can enter data. It is the most common and important element.

```
<label for="fullname">Your Full Name</label>
<input type="text" name="fullname" id="fullname">
```

<label> specifies a label for the input field. The for attribute of <label> must be equal to the id attribute of the related element to bind them together.

type="text" defines a single-line text input field.

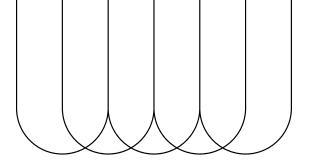**name** attribute is used as a reference when the data is submitted.

<input> element

The <input> element can be displayed in several ways, depending on the type attribute.

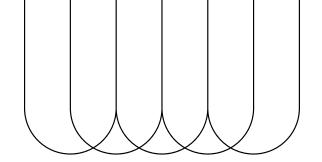|	
type="text"	Simple single line text input
type="email"	For Email input (input is validated)
type="password"	Provides a field to enter password
type="number"	Allows only number to be entered
type="date"	Provides a date fields and date picker
type="radio"	Provides radio buttons (Select single form multiple)
type="checkbox"	Provides checkboxes to select one or more
type="submit"	Provides submit button

Form Elements

Dropdown (<select>)

The <select> element is used to create a drop-down list. The <option> tags inside the <select> element define the available options in the drop-down list.

```
<label for="city">Select your city:</label>
<select id="city" name="city">
    <option value="delhi" selected>Delhi</option>
    <option value="mumbai">Mumbai</option>
    <option value="bangalore">Bangalore</option>
</select>
```

selected specifies the default value for the dropdown

Form Elements

Text area (<textarea>)

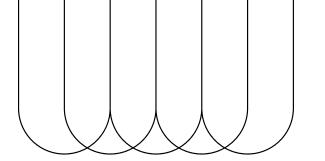The <textarea> tag defines a multi-line text input control. It is often used to collect review or comment in a form

```
<label for="review">Write a review:</label>
<textarea id="review" name="review" rows="4" cols="50"></textarea>
```

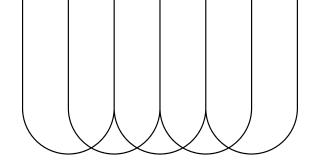**rows** specifies no of lines to be shown in textarea

columns defines width of the text area in characters.

Form Elements

Buttons or ‹input type="submit"›

We use buttons or a input with type submit to submit our form. By default button are type of submit.

‹input type="submit"› Creates a button which submits the form

‹button type="reset"› Resets the form to its initial state.

‹button type="button"› To add button for custom events

HTML Form Attributes

action Specifies what's happens when form is submitted

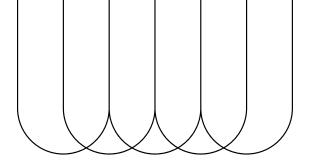**method** HTTP method (GET / POST) to be used to send the data

name used for reference when form is submitted

placeholder to provide hint to the user (as sample value or expected format of input)

value to provide initial value

required ensures the field is not empty when form get submitted.

autofocus focuses the field when page is loaded.
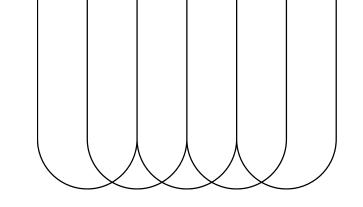
HTML Form Attributes

disabled Prevents user to change or send it form data

readonly Prevents user from changing the data

minlength defines the minimum length of input

maxlength defines the maximum length of input

min & max defines the maximum and maximum value of input (ie number, date)

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THANK YOU

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