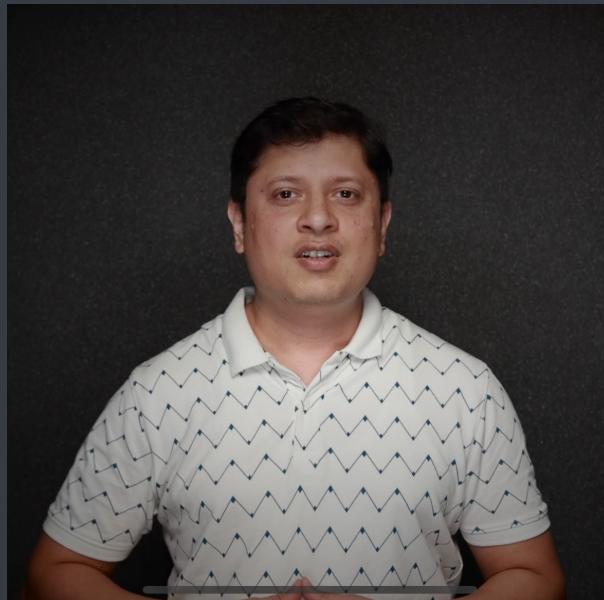


Full stack web development using python

HTML form



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Agenda

- ① HTML form introduction
- ② form tag
- ③ input element
- ④ type and other attributes
- ⑤ select and textarea
- ⑥ Implicit and explicit labelling

The HTML form element

- HTML form element is a container element
- It act as a parent element for variety of input elements
- These input elements are used to take data from user.
- HTML forms are used to pass data to a server.

Form tag

get or post

```
<form action="url" method="get" >
```

```
</form>
```

action attribute is required to specify where to send form data when a form is submitted.

method attribute is required to specify how to send data. When not specified, it is 'get' by default.

Ways to send request from client to Server

- ① type URL on browser url bar
- ② through hyperlink
- ③ through JS
- ④ Submitting HTML form ✓

what is required to send request

- ① URL
- ② data (optional)

Inside form

A form can contain input elements like text fields, checkboxes, radio-buttons, submit buttons and more

The most important form element is the input element.

input

The `<input>` element is used to create form fields that accept user input.

Form `<input>` elements can be presented in many different ways, including simple text fields, buttons, checkboxes, drop-down, and many more, by setting the `type` attribute of the `input` element to the appropriate value.

`<input>` is an empty tag.

type attribute

```
<input type = "text" >  
<input type = "number" >  
<input type = "radio" >  
<input type = "password" >  
<input type = "submit" >  
<input type = "checkbox" >  
<input type = "date" >  
<input type = "time" >  
<input type = "color" >  
<input type = "hidden" >
```

Name attribute

name attribute is important to set, as it will be used at server to access form data.

name attribute is also important to group radio buttons.

Radio buttons with same name values are formed a radio group, only one radio button from a group can be selected by the user.

Value attribute

Value attribute is set sometimes to associate value of the element data.

Other attributes

checked

disabled

width

height

readonly

Select

<select>

<option> BHOPAL </option>

<option> JAIPUR </option>

<option> PATNA </option>

<option> KANPUR </option>

</select>

textarea

<textarea>

</textarea>

label

The <label> element represent a caption for an item in a user interface.

Implicit labelling

```
<label> Click Me <input type="text"></label>
```

Explicit labelling

```
<label for="username"> Click Me </label>
<input type="text" id="username">
```