

FORM TAGS

HTML forms are used to accept the data dynamically from the user, passed to server to process & to get the response from the server.

For example, login form, registration form, application form, feedback form, contact us form, .. etc.,

1) `<form> </form>` => It is used to create a form. It is a container for different types of input elements such as text fields, password fields, check boxes, radio buttons, submit buttons, reset buttons, .. etc.,

2) `<input>` => It is used to create many form fields based on type attribute.

3) `<label> </label>` => It is used to create a label for many form fields.

4) `<select> </select>` => It is used to create a drop down list.

5) `<option>` => It is used to define an option that can be selected.

6) `<textarea></textarea>` => It is used to define multi line text field.

7) `<button>....</button>` => It is used to create a button.

8) `<fieldset>....</fieldset>` => It is used to group related fields.

9) `<legend>.....</legend>` => It is used to define a caption for the fieldset.

Attributes of <form> tag:

1) `action="....."` => It is used to define the action that can be performed when the form is submitted. Usually the form data is sent to a server.

2) method="get/post" => It is used to specify the http method. Default http method is get.

3) target="_blank/_self" => It is used to specify where to display the response(current window or new window). Default value is _self.

4) autocomplete="on/off" => It is used to specify autocomplete mode. Default value is on.

5) novalidate => It is used to specify that the form data should not be validated when submitted.

6) name="...." => It is used to specify the form name. It is required while using java script.

Example:

```
<html>
```

```
<body>
```

```
<center>
```

```
<h1><u>Login Form</u></h1>
```

```
<form autocomplete="off" method="POST" name="login"  
action="demo.jsp" target="_blank" novalidate>
```

```
Username <input type="text" name="uname" minlength="6"  
maxlength="10"><br>
```

```
Password <input type="password" name="pword" minlength="6"  
maxlength="10"><br><br>
```

```
<input type="submit"><input type="reset">
```

```
</form>
```

```
</center>
```

</body>

</html>

There are seven http methods:

- 1) GET
- 2) POST
- 3) PUT
- 4) DELETE
- 5) HEAD
- 6) TRACE
- 7) OPTIONS

GET Vs. POST:

GET

- 1) It includes the request parameters in a request header in a packet.
- 2) In this method request parameters are displayed in address bar.
- 3) Get requests can be cached.
- 4) Get requests can be bookmarked.
- 5) Get requests are stored in browser history.

POST

- 1) It includes the request parameters in a request body in a packet.
- 2) In this method request parameters are not displayed in address bar.
- 3) Post requests are never cached.
- 4) Post request cannot be bookmarked.
- 5) Post requests are not stored in browser history.

- | | |
|---|--|
| 6) Here size of the data is limited.(maximum 2048 characters) | 6) Here size of the data is not limited. |
| 7) It is not secure. | 7) It is secure. |
| 8) It supports text only. | 8) It supports all types of data. |

Attributes of <input> tags:

1) type="text/password/submit/reset/..." => It is used to specify the field name to create.

Values of type attribute in <input> tag:

- 1) text => It is used to create a single line text field.
- 2) password => It is used to create a password field.
- 3) submit => It is used to create a submit button with default functionality. Here whenever submit button is clicked then the value of action attribute is executed in a form tag. Here form data submitted to server page to process.
- 4) reset => It is used to create a reset button with default functionality. Here whenever reset button is clicked then all form fields data erased.
- 5) email => It is used to create an input field that should contain an email address.
- 6) checkbox => It is used to create a checkbox. Check boxes allow to select zero or more options.
- 7) radio => It is used to create a radio button. Radio buttons allow to select only one option in a group.
- 8) number => It is used to create a numeric input field. It allows to specify min value & max value.

- 9) date => It is used to create an input field that should contain a date.
 - 10) time => It is used to create an input field that allows to select a time.
 - 11) datetime-local => It is used to create an input field that allows to select both date & time.
 - 12) month => It is used to create an input field that allows to select month & year.
 - 13) week => It is used to create an input field that allows to select a week and year.
 - 14) button => It is used to create a button without functionality.
 - 15) image => It is used to create an image as a submit button.
 - 16) hidden => It is used to create hidden field. This field data is not visible to user.
 - 17) tel => It is used to create an input field that should contain a telephone number.
 - 18) url => It is used to create an input field that should contain a url address.
 - 19) search => It is used to create a search field. It is an equivalent to text field only.
 - 20) range => It is used to create an input field that contain range of values. It is like a slider.
 - 21) color => It is used to create an input field that should contain a color.
 - 22) file => It is used to create a file select field and it opens a browse button for file uploads.
- 2) name="....." => It is used to specify the name of input field.
- 3) minlength="...." => It is used to specify the minimum no. of characters.

- 4) `maxlength="..."` => It is used to specify the maximum no. of characters.
- 5) `value="..."` => It is used to specify the initial value.
- 6) `readonly` => It is used to specify that the input field is read only. A read only input field cannot be modified.
- 7) `disabled` => It is used to specify that the input field should be disabled.
- 8) `size` => It is used to specify the size.
- 9) `max` => It is used to specify the maximum number.
- 10) `min` => It is used to specify the minimum number.
- 11) `multiple` => It is used to specify that the field allows multiple files and multiple emails.
- 12) `pattern` => It is used to specify the pattern that input field should allow the specified pattern.
- 13) `placeholder` => It is used to specify the hint that describes the expected value.
- 14) `required` => It is used to specify that an input field must be filled.
- 15) `step` => It is used to specify the interval value in input field.
- 16) `autofocus` => It is used to specify that an input field should automatically get focus when form is loaded.
- 17) `width` => It is used to specify the image width.
- 18) `height` => It is used to specify the image height.
- 19) `autocomplete` => It is used to specify the autocomplete mode.

Attributes of <label> tag:

- 1) for="...." => It is used to specify which element a label is bound to.
- 2) form="..." => It is used to specify which form a label is belongs to.

Attributes of <textarea> tag:

- 1) rows="...." => It is used to specify the number of rows.
- 2) cols="...." => It is used to specify the number of columns.
- 3) required => It is used to specify that must be filled.
- 4) readonly => It is used to specify that it should be read only.
- 5) disabled => It is used to disable the text area.
- 6) placeholder="..." => It is used to specify short hint.
- 7) maxlength="..." => It is used to specify the maximum number of characters allowed in the text area.

By

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