



HTML Class Day 3

HTML Notes

| HTML Form



HTML - Forms

- HTML Forms are required, when you want to collect some data from the site visitor.
- The HTML `<form>` element defines a form that is used to collect user input.
- **Syntax :-**
 - `<form>`
 - *form elements*
 - `</form>`



The `<input>` Element

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



- `<input type="text">`
- `<input type="email">`
- `<input type="password">`
- `<input type="radio">`
- `<input type="checkbox">`
- `<input type="file">`
- `<input type="number">`

- `<input type="submit">`
- `<input type="reset">`
- `<input type="range">`
- `<input type="date">`
- `<input type="color">`
- `<input type="time">`



Input Type Text

- `<input type="text">` defines a one-line input field for text input.

- **Example :-**

- ```
<html>
 <body>
 <form>
 First name:

 <input type="text" name="firstname">
 </form>
 </body>
</html>
```

First name:



# Input Type Email

- The `<input type="email">` is used for input fields that should contain an e-mail address.

- **Example :-**

- ```
<html>
  <body>
    <form>
      E-mail:
      <input type="email" name="email">
    </form>
  </body>
</html>
```

E-mail:



Input Type Password

- `<input type="password">` defines a password field

- **Example :-**

- ```
<html>
 <body>
 <form>
 Password:

 <input type="password">
 </form>
 </body>
</html>
```

Password:



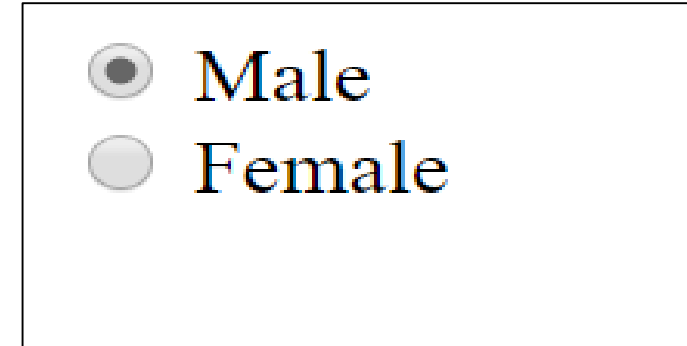


# Input Type Radio

- `<input type="radio">` defines a radio button.

- **Example :-**

- ```
<html>
  <body>
    <form>
      <input type="radio" name="gender"
        value="male" checked> Male<br>
      <input type="radio" name="gender" value="female"> Female<br>
    </form>
  </body>
</html>
```



Input Type Checkbox

- `<input type="checkbox">` defines a checkbox.

- **Example :-**

- `<html>`

`<body>`

`<form>`

`<input type="checkbox" value="C" checked> C
`

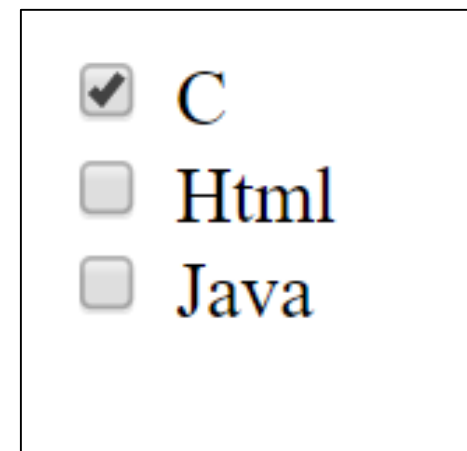
`<input type="checkbox" value="Html"> Html
`

`<input type="checkbox" value="Java"> Java
`

`</form>`

`</body>`

`</html>`



☒ C
☐ Html
☐ Java



Input Type File

- The `<input type="file">` defines a file-select field and a "Browse" button for file uploads.

- **Example :-**

- ```
<html>
 <body>
 <form>
 Select a file:
 <input type="file" name="myFile">
 </form>
 </body>
</html>
```

Select a file:  No file chosen



# Input Type Number

- The `<input type="number">` defines a numeric input field.

- **Example :-**

- `<html>`

- `<body>`

- `<form>`

- Number(between 1 and 5):

- `<input type="number" min="1" max="5">`

- `</form>`

- `</body>`

- `</html>`

Number(between 1 and 5):

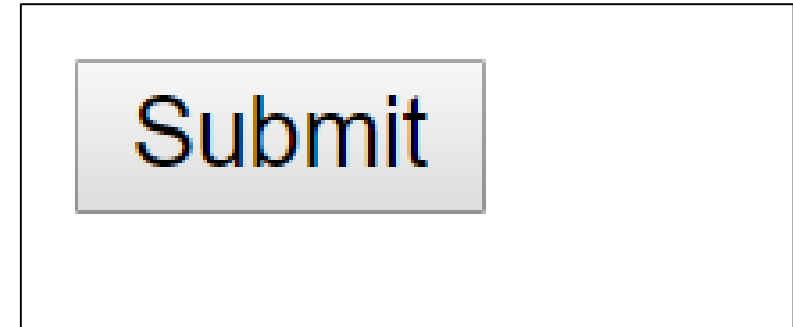


# Input Type Submit

- `<input type="submit">` defines a button for submitting form data to a form-handler.

- **Example :-**

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

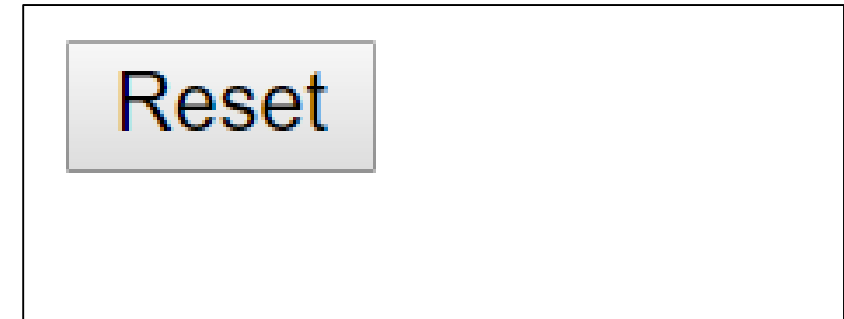


Input Type Reset

- `<input type="reset">` defines a reset button that will reset all form values to their default values.

- **Example :-**

- ```
<html>
 <body>
 <form>
 <input type="reset" value="Reset">
 </form>
 </body>
</html>
```



# Input Type Color

- The `<input type="color">` is used for input fields that should contain a color.

- **Example :-**

- `<html>`

`<body>`

`<form>`

Select your favorite color:

`<input type="color">`

`</form>`

`</body>`

`</html>`



# Input Type Date

- The `<input type="date">` is used for input fields that should contain a date.

- **Example :-**

- ```
<html>
  <body>
    <form>
      Date:
      <input type="date" name="bday">
    </form>
  </body>
</html>
```

Date:



Input Type Range

- The `<input type="range">` defines a control for entering a number whose exact value is not important (like a slider control). Default range is 0 to 100.
- However, you can set restrictions on what numbers are accepted with the `min`, `max`, and `step` attributes.



Example

- `<html>`

- `<body>`

- `<form>`

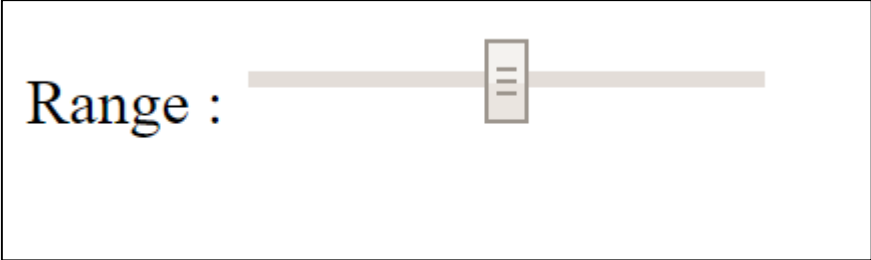
- Range :

- `<input type="range" min="0" max="10">`

- `</form>`

- `</body>`

- `</html>`



HTML Input Attributes

Attribute name	Notes
step	Specifies the interval between valid values in a number-based input.
required	Specifies that the input field is required; disallows form submission and alerts the user if the required field is empty.
readonly	Disallows the user from editing the value of the input.
placeholder	Specifies placeholder text in a text-based input.
min	Specifies a minimum value for number and date input fields.



Cont...

Attribute name	Notes
max	Specifies a maximum value for number and date input fields.
autofocus	Specifies that the input field should be in focus immediately upon page load.
checked	Specifies whether a checkbox or radio button form input should be checked by default.
maxlength	Specifies the maximum number of characters that can be entered in a text-type input.



Cont...

Attribute name	Notes
name	Specifies the name of an input element. The name and value of each input element are included in the HTTP request when the form is submitted.
size	Specifies the width of the input in characters.
type	Defines the input type.
value	Defines an initial value or default selection for an input field.



HTML <textarea> Tag

- The <textarea> tag defines a multi-line text input control.

- **Example :-**

- ```
<html>
<body>
<form>
<textarea rows="4" cols="40">
This is textarea.
</textarea>
</form>
</body>
</html>
```



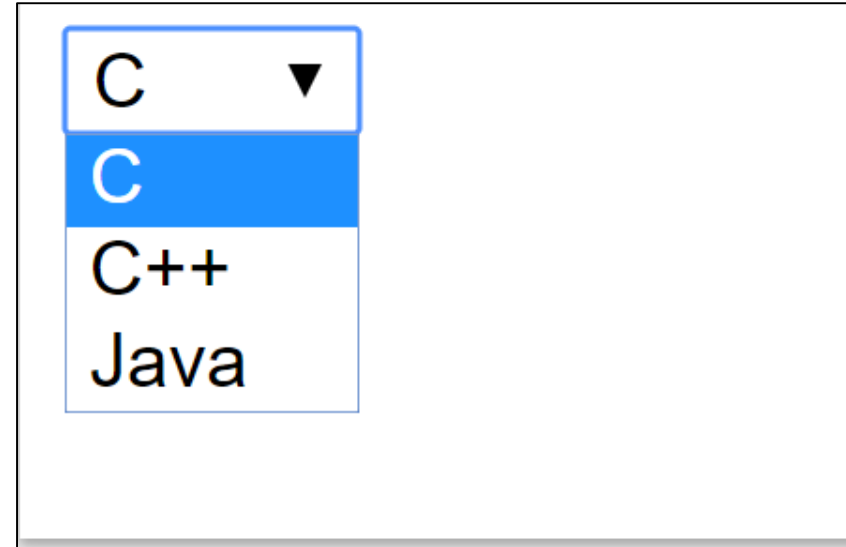
# HTML `<select>` Tag

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



# Example

```
■ <html>
 <body>
 <form>
 <select>
 <option value="C">C</option>
 <option value="C++">C++</option>
 <option value="Java">Java</option>
 </select>
 </form>
 </body>
</html>
```





## <fieldset> tag

- The <fieldset> tag is used to group related elements in a form.
- The <fieldset> tag draws a box around the related elements.
- The <legend> tag is used to define a caption for the <fieldset> element.



# Example

```
<html>
<body>
<form>
<fieldset>
<legend>Personal Info.</legend>
First name:<input type="text" name="firstname">

Last name:<input type="text" name="lastname">
</fieldset>
</form>
</body>
</html>
```



# Output

Personal Info.

First name:

Last name:



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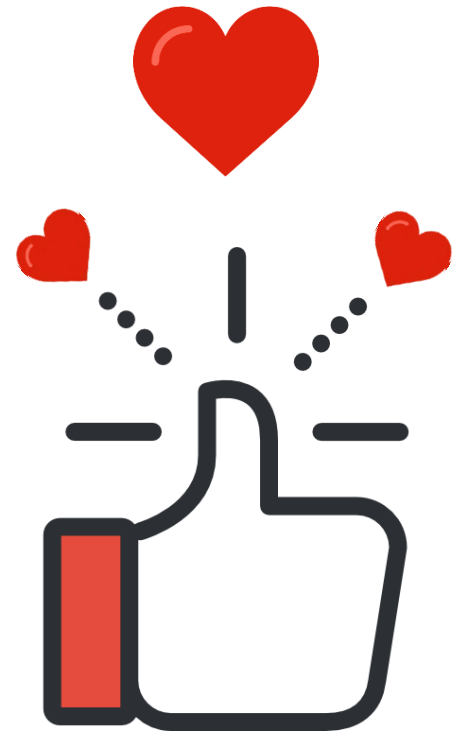
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