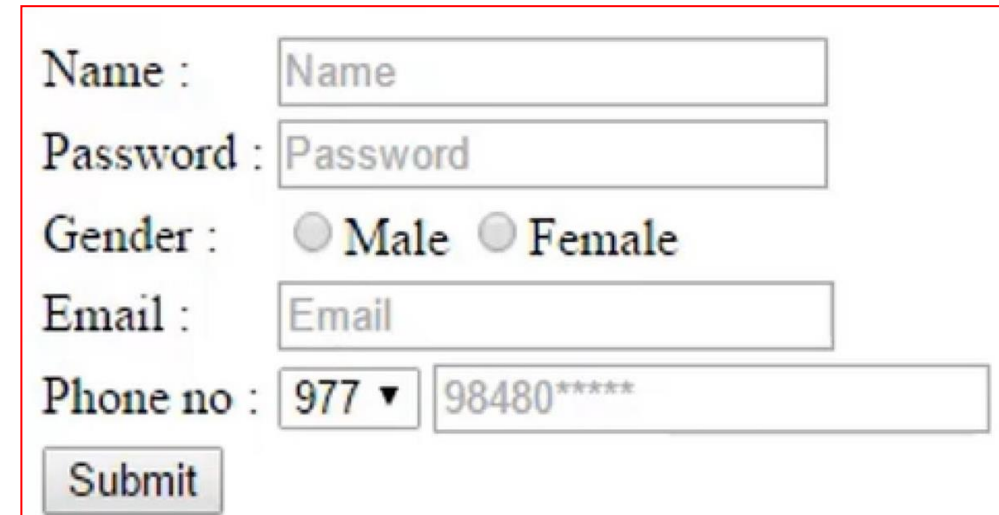


# FORMS:

---

An HTML form is a **section of a document** which **contains controls** such as

- **text fields,**
- **password fields,**
- **checkboxes,**
- **radio buttons,**
- **submit button,**
- **menus etc.**



The image shows a sample HTML form with the following elements:

- Name :** A text input field containing the placeholder text "Name".
- Password :** A password input field containing the placeholder text "Password".
- Gender :** Two radio buttons labeled "Male" and "Female".
- Email :** A text input field containing the placeholder text "Email".
- Phone no :** A dropdown menu showing "977" and a text input field containing "98480\*\*\*\*\*".
- Submit** : A button labeled "Submit".

- An HTML form facilitates the **user to enter data** that is to be sent to the server for processing such as name, email address, password, phone number, etc. .
  - There are various **form elements** available like text fields, text area fields, drop-down menus, radio buttons, checkboxes, etc.
-

## HTML Form Tags:

### <form>

The HTML <form> element **defines a form** that is used to collect user input:

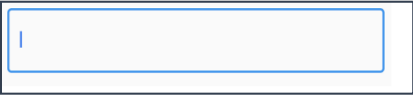



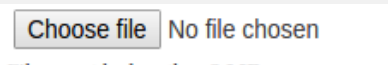
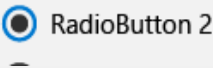

```
<form action="server url" method="get | post">  
    //input controls e.g. textfield, textarea, radiobutton, button  
</form>
```

Sr.No	Attribute & Description
1	<b>action</b> : Backend script ready to process your passed data.
2	<b>method</b> : It to be used to upload data. The most frequently used are GET and POST methods.
3	<b>target</b> : Specify the target window or frame where the result of the script will be displayed. It takes values like _blank, _self, _parent etc.

# FORMS:

**<input>** - It defines an **input control**.

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

Type		Description
<input type="text">		Defines a one-line <b>text input field</b>
<input type="password">		Defines a <b>password field</b>
<input type="checkbox">		Defines a <b>checkbox</b>
<input type="button">		Defines a <b>clickable button</b> (mostly used with a JavaScript to activate a script)
<input type="file">		Defines a <b>file-select field</b> and a "Browse" button (for file uploads)
<input type="radio">		Defines a <b>radio button</b> (for selecting one of many choices)
<input type="submit">		Defines a <b>submit button</b> (for submitting the form)

---

# FORMS:

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## HTML Form Controls

There are different types of form controls that you can use to collect data using HTML form –

1. Text field
  2. Password Field
  3. Text Area
  4. Checkbox
  5. Radio Box
  6. Select Box
  7. File Select boxes
  8. Buttons
-

# FORMS:

## 1. Text field (or) Single-line text input control

This control is used for items that require only *one line of user input*, such as search boxes or names. They are created using HTML **<input>** tag.

Sr.No	Attribute & Description
type	Indicates the type of <b>input control</b> and for text input.
name	Used to give a <b>name</b> to the control
value	This can be used to provide an <b>initial value</b>
size	Allows to specify the <b>width of the text-input</b> control in terms of characters.
maxlength	Allows to specify the <b>maximum number of characters</b> a user can enter into the text box.

```
<html>
<head>
  <title>Text Input Control</title>
</head>
<body>
  <form >
    First name: <input type = "text" name = "first_name" />
    <br>
    Last name: <input type = "text" name = "last_name" />
  </form>
</body>

</html>
```



---

## FORMS:

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### 2. Password Field

- This is also a **single-line text** input but it masks the character as soon as a user enters it.
- They are also created using HTML <input>tag but type attribute is set to **password**.

User ID : 1221112

Password: .....

```
<html>
<head> <title>Password Input Control</title> </head>
<body>
  <form >
    User ID : <input type = "text" name = "user_id" />
    <br> Password:
    <input type = "password" name = "password" />
  </form>
</body>
</html>
```

---

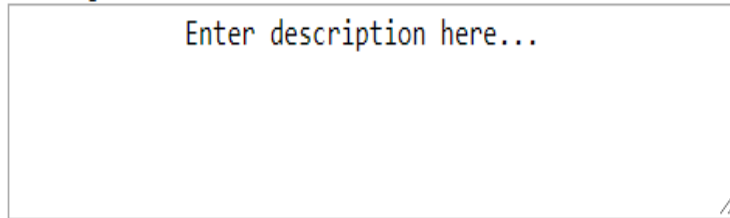
## FORMS:

---

### 3. Text Area (or) Multiple-Line Text Input Control

This is used when the user is required to give details that may be longer than a single sentence. Multi-line input controls are created using HTML **<textarea>** tag.

Description :



```
<html>
  <head>
    <title>Multiple-Line Input Control</title>
  </head>

  <body>
    <form>
      Description :<br>
      <textarea rows = "5" cols = "50" name = "description">
        Enter description here...
      </textarea>
    </form>
  </body>
</html>
```

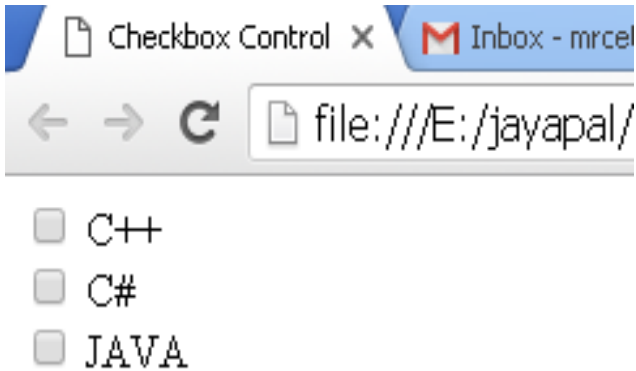
---

## FORMS:

---

### 4. Checkbox Control

Checkboxes are used when more than one option is required to be selected. They are also created using HTML `<input>` tag but type attribute is set to checkbox.



```
<html> <head> <title>Checkbox Control</title> </head>
<body>
<form>
    <input type="checkbox" name="C++" value="on"> C++
    <br>
    <input type="checkbox" name="C#" value="on"> C#
    <br>
    <input type="checkbox" name="JAVA" value="on"> JAVA
</form>
</body> </html>
```



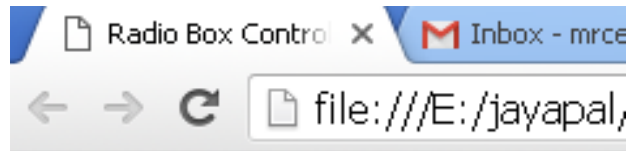
---

## FORMS:

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### 5. Radio Button Control

Radio buttons are used when out of many options, just one option is required to be selected. They are also created using HTML `<input>` tag but type attribute is set to radio



Select a Course

- ☐ C++
- ☐ JAVA
- ☐ HTML

```
<html>
<head>
<title>Radio Box Control
</title> </head>
<body> <p>Select a Course</p>
<form>
    <input type="radio" name="subject" value="C++"> C++
    <br>
    <input type="radio" name="subject" value="JAVA"> JA VA
    <br>
    <input type="radio" name="subject" value="HTML"> HTML
</form> </body> </html>
```

---

## FORMS:

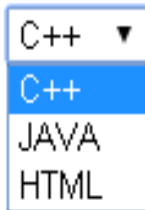
---

### 6. Select Box Controls

A **select box**, also called **drop down box** which provides option to list down various options in the form of drop down list, from where a user can select one or more options



Select Box Control



```
<html>
<head>
<title>Select Box Control</title>
</head>
<body>
<form>
  <select name="dropdown">
    <option value="C++" selected>C++</option>
    <option value="JAVA">JA VA</option>
    <option value="HTML">HTML</option>
  </select>
</form>
</body>
</html>
```

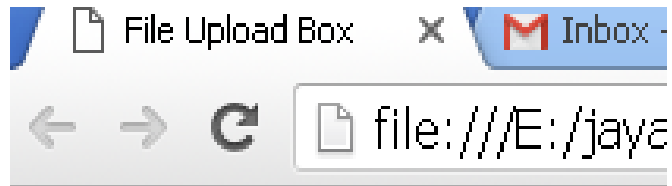
---

# FORMS:

---

## 7. File Select boxes

If we want to allow a user to **upload a file** to web site, we will need to use a file upload box, also known as a file select box. This is also created using the `<input>` element but type attribute is set to file.



```
<html>
<head>
<title>File Upload Box</title>
</head>
<body>
<p>File Upload Box</p>
<form>
  <input type="file" name="fileupload" >
</form>
</body>
</html>
```

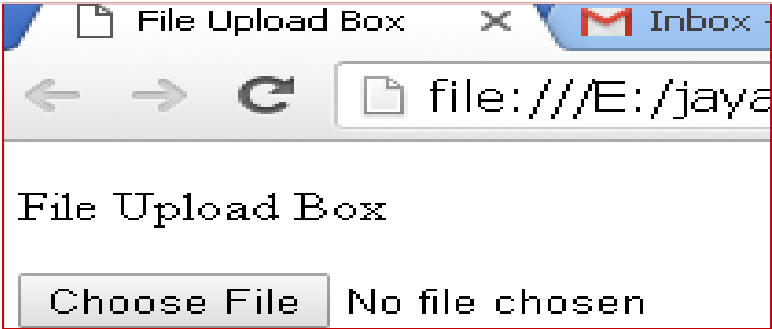
# FORMS:

## 8. Buttons

There are various ways in HTML to create clickable buttons.  
we can also create a clickable button using **<input>** tag by setting its type attribute to **button**. The type

Sr.No	Type & Description
<b>submit</b>	This creates a button that automatically <b>submits</b> a form.
<b>reset</b>	This <b>creates a button that automatically resets</b> form controls to their initial values.
<b>button</b>	This creates a button that is used to trigger a client-side script when the user clicks that button.
<b>image</b>	This creates a <b>clickable button but we can use an image</b> as background of the button.

```
<html>
<head>
<title>File Upload Box</title>
</head>
<body>
<form>
<input type="submit" name="submit" value="Submit" />
  <input type="reset" name="reset" value="Reset" />
  <input type="button" name="ok" value="OK" />
  <input type="image" name="imagebutton" src="test1.png" />
</form>
</body>
</html>
```



---

## Displaying date picker

---

### 9. HTML `<input type="date">`

- The `<input type="date">` defines a date picker.
- The resulting value includes the year, month, and day.attribute

DOB:

April 2023 ▾

↑ ↓

Su	Mo	Tu	We	Th	Fr	Sa
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

Clear Today

```
<html>
<body>

<h1>Show a Date Control</h1>

<form>
  DOB: <input type="date" id="birthday" name="birthday">
  <input type="submit">
</form>

</body>
</html>
```