



Forms

Forms



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Your Notes

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HTML Forms

By Yash Sharma

<form>

HTML – Forms

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- HTML Form is a part of a document, used to collect and store user information/data.
- The collected information is often sent to the server for processing.
- Form can contain the input elements like input text boxes, input text areas, labels, checkboxes, radio buttons, submit button, etc...
- The form can contain different elements for collecting username, password, email id, Date of birth, check box, radio buttons...

Forms Form Attributes Input elements Input attributes Example Form elements

HTML – Forms

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- HTML Forms can be created by using <form></form> tag.

```
<form>
  <label for="username">User Name</label><br>
  <input type="text" name="username">
  <br>
  <label for="email_id">Email id</label><br><br>
  <input type="email" name="email_id">
  <br><br>
  <input type="submit" value="Submit">
</form>
```

User Name

 Email id

Froms Form Attributes Input elements Input attributes Example Form elements

Important part get post and action

HTML – Form Attributes

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- action** - Defines the action to be performed when the form is submitted.
- method** - Defines the HTTP method to be used while submitting the form.

Method	Description
get	After submission of form, form values will be visible in the address bar of the browser tab. So for sending sensitive information the get method should not be used. Length of the url is limited.(2048 characters) Form submission with get method can be bookmarked.
post	After submitting the form the values will not be visible in the address bar. No size limitations, large amounts of data can be sent. Form submission with post method cannot be bookmarked.

Froms Form Attributes Input elements Input attributes Example Form elements

by using get method.

The form method="get" attribute

First name:
 Last name:

Click on the submit button, and the input will be sent to a page on the server called "action_page.php".

```
<!DOCTYPE html>
<html>
<body>

<h1>The form method="get" attribute</h1>
<form action="/action_page.php" method="get">
<target="_blank">
  <label for="fname">First name:</label>
  <input type="text" id="fname" name="fname"><br><br>
  <label for="lname">Last name:</label>
  <input type="text" id="lname" name="lname"><br><br>
  <input type="submit" value="Submit">
</form>

<p>Click on the submit button, and the input will be sent to a page on the server called "action_page.php".</p>

</body>
</html>
```

The screenshot shows a browser window with the title "Submitted Form Data". The URL in the address bar is https://www.w3schools.com/action_page.php?fname=yash&lname=sharma. The page content displays the input "fname=yash&lname=sharma" in a text box. Below it, a note states: "The server has processed your input and returned this answer." A yellow box contains the text: "Note: This tutorial will not teach you how servers are processing input. Processing input is explained in our [PHP tutorial](#)."

By using post method.

The screenshot shows a browser window with the title "The form method='get' attribute". The URL in the address bar is https://www.w3schools.com/tags/trylet.asp?filename=tryhtml_form_method. On the left, there is an HTML code editor with the following code:

```
<!DOCTYPE html>
<html>
<body>

<h1>The form method="get" attribute</h1>
<form action="action_page.php" method="post">
  <input type="text" id="fname" name="fname"><br>
  <input type="text" id="lname" name="lname"><br>
  <input type="submit" value="Submit">
</form>

<p>Click on the submit button, and the input will be sent to a page on the server called "action_page.php".</p>
</body>
</html>
```

On the right, there is a preview area titled "Result Size: 821 x 502" showing a form with fields for "First name" and "Last name" with a "Submit" button. Below the form, a note says: "Click on the submit button, and the input will be sent to a page on the server called "action_page.php"."

The screenshot shows a browser window with the title "Submitted Form Data". The URL in the address bar is https://www.w3schools.com/action_page.php. The page content displays the input "fname=yash&lname=sharma" in a text box. Below it, a note states: "The server has processed your input and returned this answer." A yellow box contains the text: "Note: This tutorial will not teach you how servers are processing input. Processing input is explained in our [PHP tutorial](#)."

form uses by default get method.

HTML – Form Attributes

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target - Defines the place where the response(received after submitting the form) is to be displayed.

Value	Response displayed in
_blank	New tab.
_self	Current window.
_parent	Parent frame.
_top	Full body of the window.

autocomplete - Defines whether the form should have autocomplete on or off.

on	Browser automatically completes values based on previous inputs.
off	Browser will not support autocomplete functionality.



HTML – Input Elements

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The <input> element is used to get input from the user. The <input> element can be displayed in many ways depending on the **type** attribute.

type attribute values	Description
<input type= "text">	Text input field
<input type= "email">	The user input should contain an email address when submitting the email validation will be done automatically.
<input type= "submit">	Displays a submit button, for submitting a form.
<input type= "button">	Displays a clickable button.
<input type= "radio">	Displays radio button, to select one of multiple options.
<input type= "checkbox">	Displays checkbox, to select zero/one/multiple options.
<input type= "date">	The user field should contain a date, it does date validations
<input type= "number">	Numeric input field, the restriction can be made to accept only a specific set of numbers.



HTML – Input Element Attributes

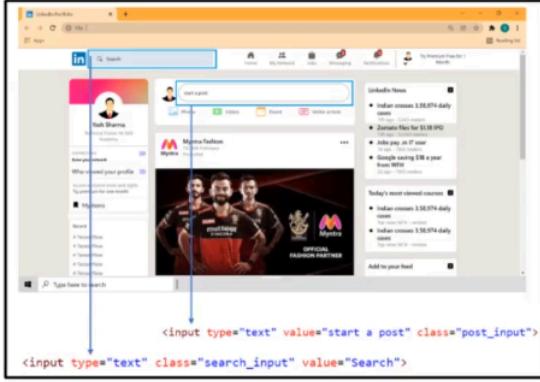
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Attribute	Values	Description
class	Name of the class	Specifies one or more class names for the element. Used to apply styles.
id	Unique id of the element	Used to apply styles and scripts.
name	Name of the element	Used to refer to the element in JavaScript.
placeholder	Any name	Specifies a short hint of the expected value.
required	When present specifies, the input field must be filled before submitting the form.	
type	text, number, email, button...	Specifies the type of input that the user should enter before submitting the form.



HTML – Input Element in Static LinkedIn Page

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```
<input type="text" value="start a post" class="post_input">
<input type="text" class="search_input" value="Search">
```

Froms Form Attributes Input elements Input attributes Example Form elements

HTML – Form Elements

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<textarea>

- The text area is a multiple-line text input field.
- The text area is often used in a form to collect user information like comments, messages, reviews, etc...
- Example:


```
<textarea rows="5" cols="50" name="Description" id="Description"></textarea>
```
- The Attributes rows and cols are used to specify the size of the text area.

Froms Form Attributes Input elements Input attributes Example Form elements

HTML – Form Elements

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<label>

- Label defines what to be entered in the input fields.
- Labels are optional in forms.
- Example:


```
<label for="username">User Name</label>
```
- The attribute for is used to define for which input field this label is used.

Froms Form Attributes Input elements Input attributes Example Form elements

HTML – Form Elements

<button>

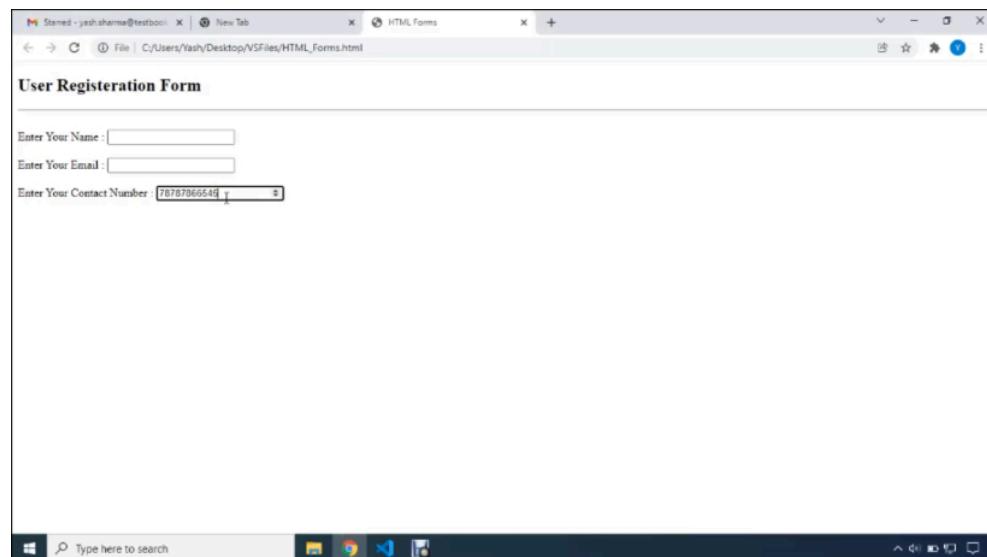
- The <button> tag defines the clickable button.
- The <button> tag also has the type and class attribute which is the same as the <input> tag.
- Example:


```
<button type="button" onclick="alert('Hello world!')>Click Me!</button>
```
- The attribute onclick defines what should happen on the click of a button. Usually it is used to call JavaScript functions.

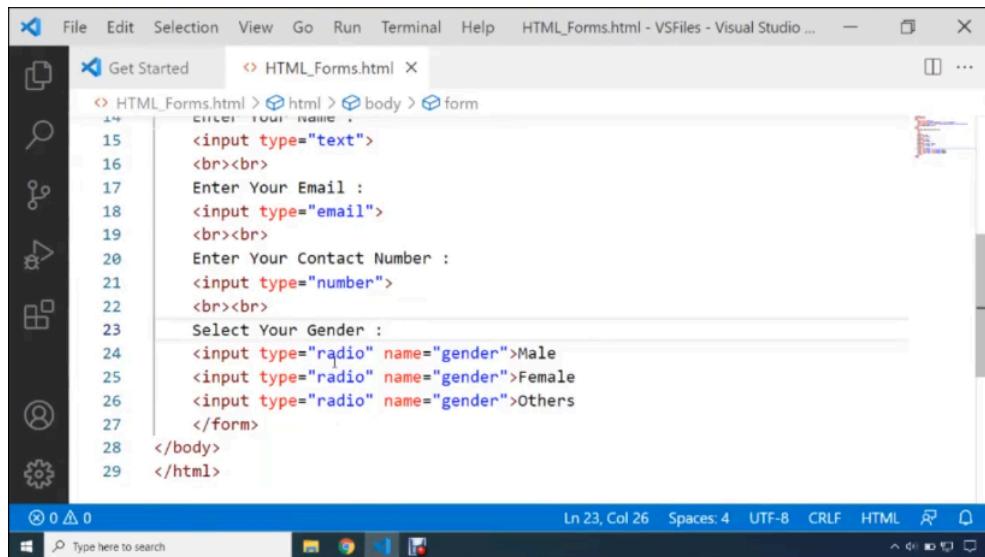
```

12   <br>
13   <form>
14     Enter Your Name :
15     <input type="text">
16     <br><br>
17     Enter Your Email :
18     <input type="email">
19     <br><br>
20     Enter Your Contact Number :
21     <input type="number">
22   </form>
23 </body>
24 </html>

```



Radio Button

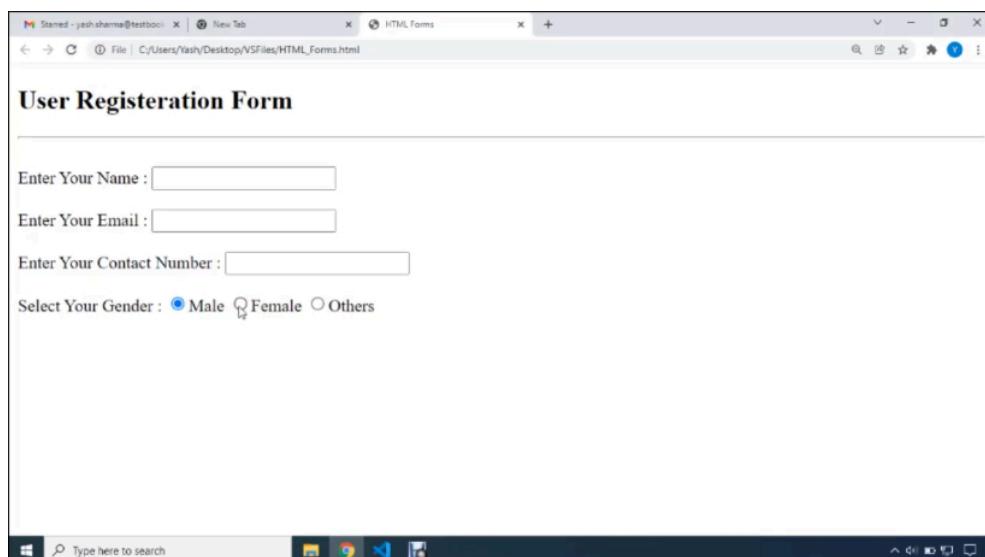


```

File Edit Selection View Go Run Terminal Help HTML_Forms.html - VSFiles - Visual Studio ...
Get Started HTML_Forms.html
HTML_Forms.html > html > body > form
15   <input type="text">
16   <br><br>
17   Enter Your Name :
18   <input type="email">
19   <br><br>
20   Enter Your Contact Number :
21   <input type="number">
22   <br><br>
23   Select Your Gender :
24   <input type="radio" name="gender">Male
25   <input type="radio" name="gender">Female
26   <input type="radio" name="gender">Others
27   </form>
28   </body>
29   </html>

```

Ln 23, Col 26 Spaces: 4 UTF-8 CRLF HTML



User Registration Form

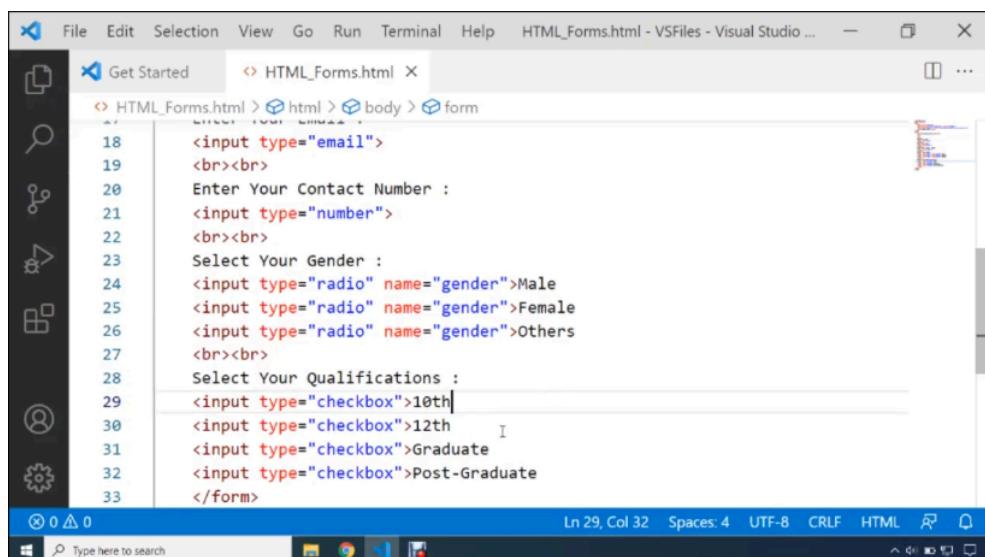
Enter Your Name :

Enter Your Email :

Enter Your Contact Number :

Select Your Gender : Male Female Others

Check Boxes



```

File Edit Selection View Go Run Terminal Help HTML_Forms.html - VSFiles - Visual Studio ...
Get Started HTML_Forms.html
HTML_Forms.html > html > body > form
18   <input type="email">
19   <br><br>
20   Enter Your Contact Number :
21   <input type="number">
22   <br><br>
23   Select Your Gender :
24   <input type="radio" name="gender">Male
25   <input type="radio" name="gender">Female
26   <input type="radio" name="gender">Others
27   <br><br>
28   Select Your Qualifications :
29   <input type="checkbox">10th
30   <input type="checkbox">12th
31   <input type="checkbox">Graduate
32   <input type="checkbox">Post-Graduate
33   </form>

```

Ln 29, Col 32 Spaces: 4 UTF-8 CRLF HTML

User Registration Form

Enter Your Name :

Enter Your Email :

Enter Your Contact Number :

Select Your Gender : Male Female Others

Select Your Qualifications : 10th 12th Graduate Post-Graduate

Select element --> drop down

```

File Edit Selection View Go Run Terminal Help • HTML_Forms.html - VSFiles - Visual Studio ...
Get Started HTML_Forms.html
HTML_Forms.html > html > body > form
31   <input type="checkbox">Graduate
32   <input type="checkbox">Post-Graduate
33   <br><br>
34   Select Your City :
35   <select name="city">
36     <option value="delhi">Delhi</option>
37     <option value="mumbai">Mumbai</option>
38     <option value="bangalore">Bangalore</option>
39     <option value="jaipur">Jaipur</option>
40   </select> I
41   <br><br>
42
43   </form>
44 </body>
45 </html>

```

User Registration Form

Enter Your Name :

Enter Your Email :

Enter Your Contact Number :

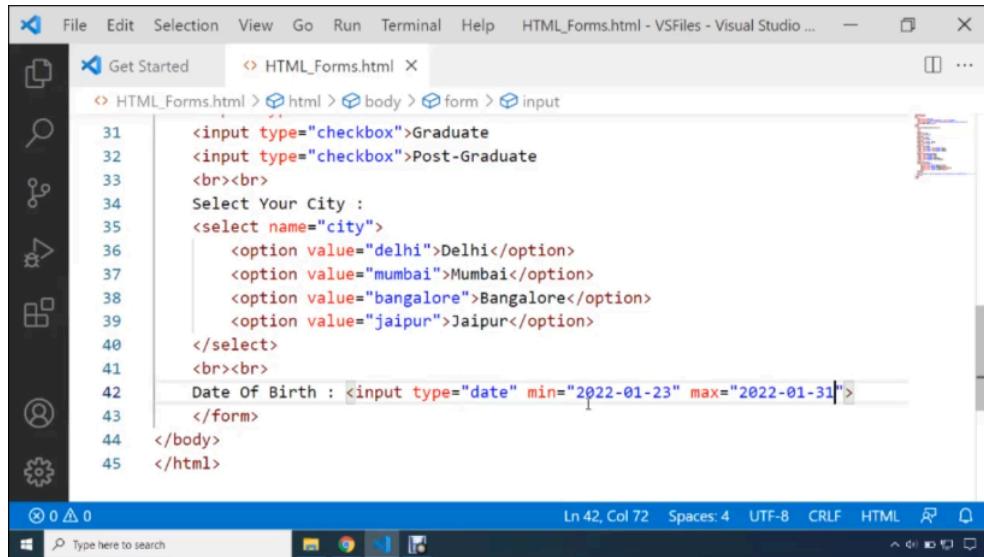
Select Your Gender : Male Female Others

Select Your Qualifications : 10th 12th Graduate Post-Graduate

Select Your City :
 Delhi
 Mumbai
 Bangalore
 Jaipur

input type date

here attribute like min and max is used to restrict the range of dates from min to max in that dates only user can input other are not. usecase (booking/Reservation website like , flight, train, hotel etc)

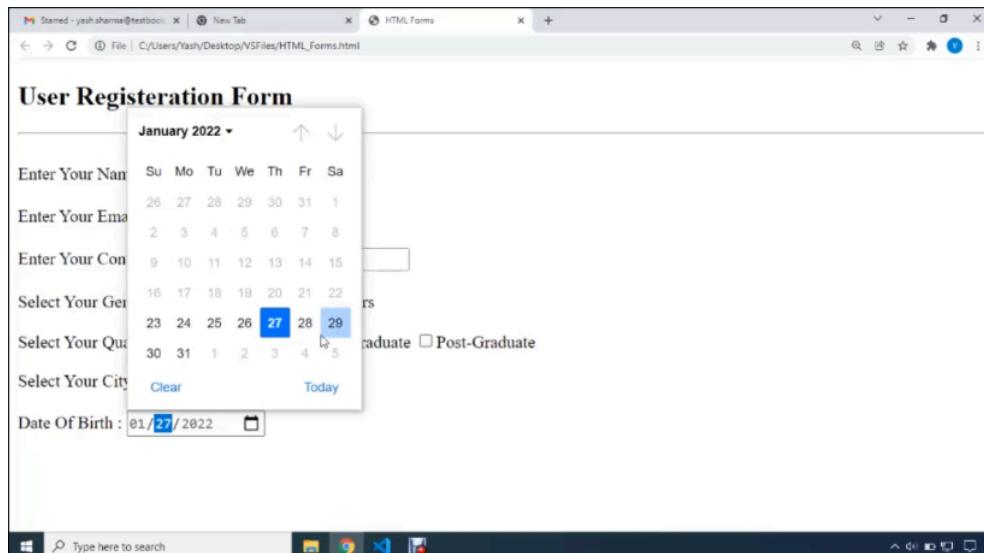


```

File Edit Selection View Go Run Terminal Help HTML_Forms.html - VSFiles - Visual Studio ...
Get Started HTML_Forms.html
HTML_Forms.html > html > body > form > input
31   <input type="checkbox">Graduate
32   <input type="checkbox">Post-Graduate
33   <br><br>
34   Select Your City :
35   <select name="city">
36     <option value="delhi">Delhi</option>
37     <option value="mumbai">Mumbai</option>
38     <option value="bangalore">Bangalore</option>
39     <option value="jaipur">Jaipur</option>
40   </select>
41   <br><br>
42   Date Of Birth : <input type="date" min="2022-01-23" max="2022-01-31">
43   </form>
44 </body>
45 </html>

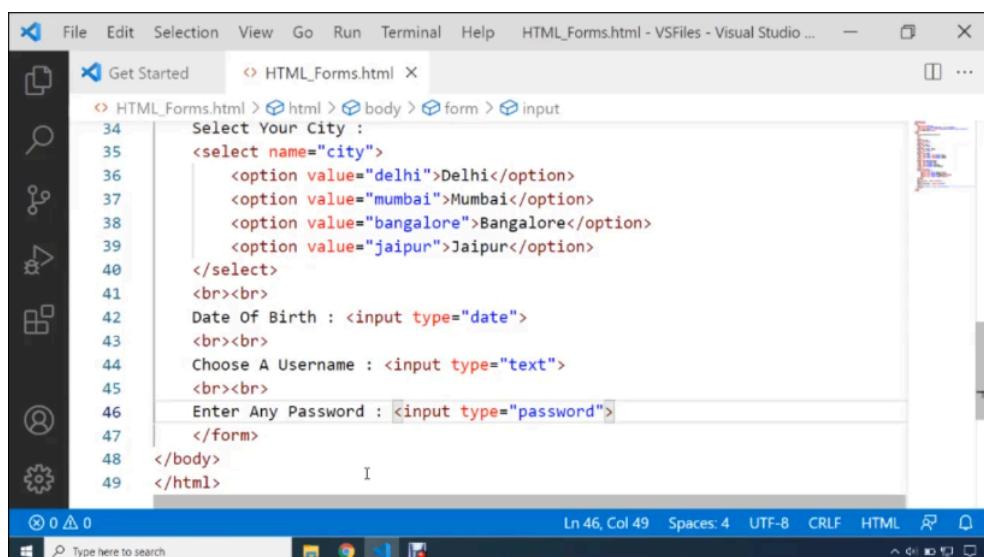
```

Ln 42, Col 72 Spaces: 4 UTF-8 CRLF HTML



choose username and password

type password uses to getting an sensitive information like (credit card, debit card , addhar Card information and password etc. sensitive information) so that it will masked/ hide.



```

File Edit Selection View Go Run Terminal Help HTML_Forms.html - VSFiles - Visual Studio ...
Get Started HTML_Forms.html
HTML_Forms.html > html > body > form > input
34   Select Your City :
35   <select name="city">
36     <option value="delhi">Delhi</option>
37     <option value="mumbai">Mumbai</option>
38     <option value="bangalore">Bangalore</option>
39     <option value="jaipur">Jaipur</option>
40   </select>
41   <br><br>
42   Date Of Birth : <input type="date">
43   <br><br>
44   Choose A Username : <input type="text">
45   <br><br>
46   Enter Any Password : <input type="password">
47   </form>
48 </body>
49 </html>

```

Ln 46, Col 49 Spaces: 4 UTF-8 CRLF HTML

User Registration Form

Enter Your Name :

Enter Your Email :

Enter Your Contact Number :

Select Your Gender : Male Female Others

Select Your Qualifications : 10th 12th Graduate Post-Graduate

Select Your City :

Date Of Birth :

Choose A Username :

Enter Any Password :

button element

```

<option value="mumbai">Mumbai</option>
<option value="bangalore">Bangalore</option>
<option value="jaipur">Jaipur</option>
</select>
<br><br>
Date Of Birth : <input type="date">
<br><br>
Choose A Username : <input type="text">
<br><br>
Enter Any Password : <input type="password">
<br><br>
<input type="submit" value="Click Here To Register">
</form>
</body>
</html>

```

User Reg

Enter Your Name :

Enter Your Email :

Enter Your Contact Number :

Select Your Gender : Male Female Others

Select Your Qualifications : 10th 12th Graduate Post-Graduate

Select Your City :

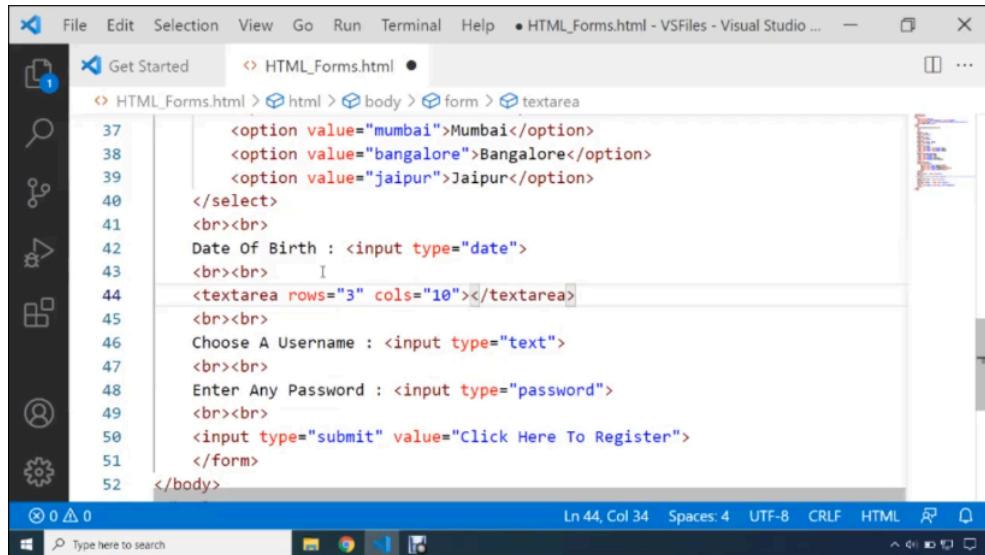
Date Of Birth :

Choose A Username :

Enter Any Password :

textarea element

two important attributes are there row and cols

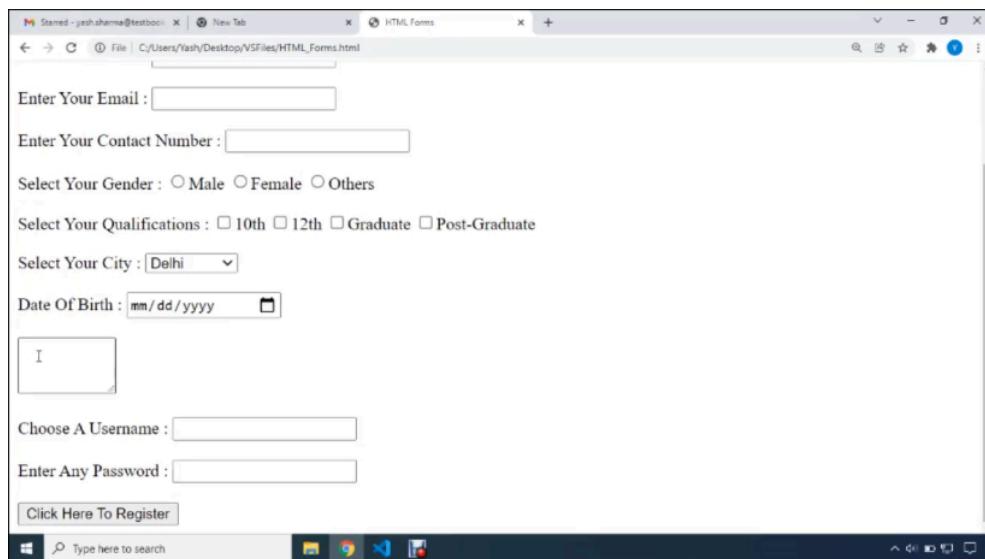


The screenshot shows the Visual Studio Code interface with the file `HTML_Forms.html` open. The code defines a form with a dropdown menu for cities, a date input for birth, a multi-line text area for notes, and several text inputs for username and password, along with a submit button.

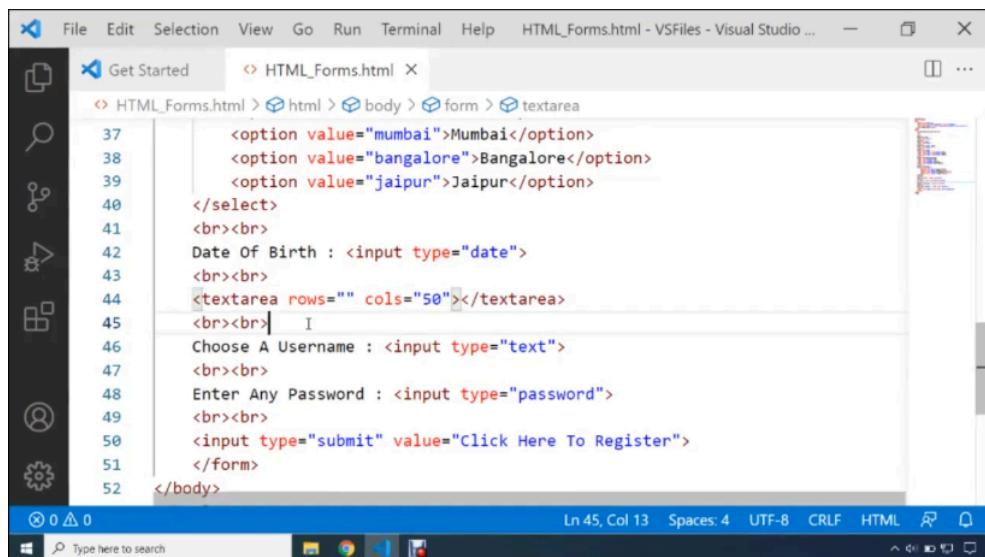
```

<option value="mumbai">Mumbai</option>
<option value="bangalore">Bangalore</option>
<option value="jaipur">Jaipur</option>

```



The screenshot shows a web browser window displaying the rendered HTML form. It includes fields for email, contact number, gender (radio buttons), qualifications (checkboxes), city (dropdown), date of birth (date input), a large text area for notes, and fields for username and password, followed by a submit button.



The screenshot shows the Visual Studio Code interface with the file `HTML_Forms.html` open. The code is identical to the first screenshot, but the text area has been modified to have a larger width and height.

```

<textarea rows="" cols="50"></textarea>

```

Enter Your Name :

Enter Your Email :

Enter Your Contact Number :

Select Your Gender : Male Female Others

Select Your Qualifications : 10th 12th Graduate Post-Graduate

Select Your City :

Date Of Birth :

Choose A Username :

Enter Any Password :

```

File Edit Selection View Go Run Terminal Help HTML_Forms.html - VSFiles - Visual Studio ...
< Get Started < HTML_Forms.html < html > body > form > br
37     <option value="mumbai">Mumbai</option>
38     <option value="bangalore">Bangalore</option>
39     <option value="jaipur">Jaipur</option>
40   </select>
41   <br><br>
42   Date Of Birth : <input type="date">
43   <br><br>
44   Write A Description About Yourself : <br>
45   <textarea rows="" cols="50"></textarea>
46   <br><br>
47   Choose A Username : <input type="text">
48   <br><br>
49   Enter Any Password : <input type="password">
50   <br><br>
51   <input type="submit" value="Click Here To Register">
52 </form>

```

Enter Your Name :

Enter Your Email :

Enter Your Contact Number :

Select Your Gender : Male Female Others

Select Your Qualifications : 10th 12th Graduate Post-Graduate

Select Your City :

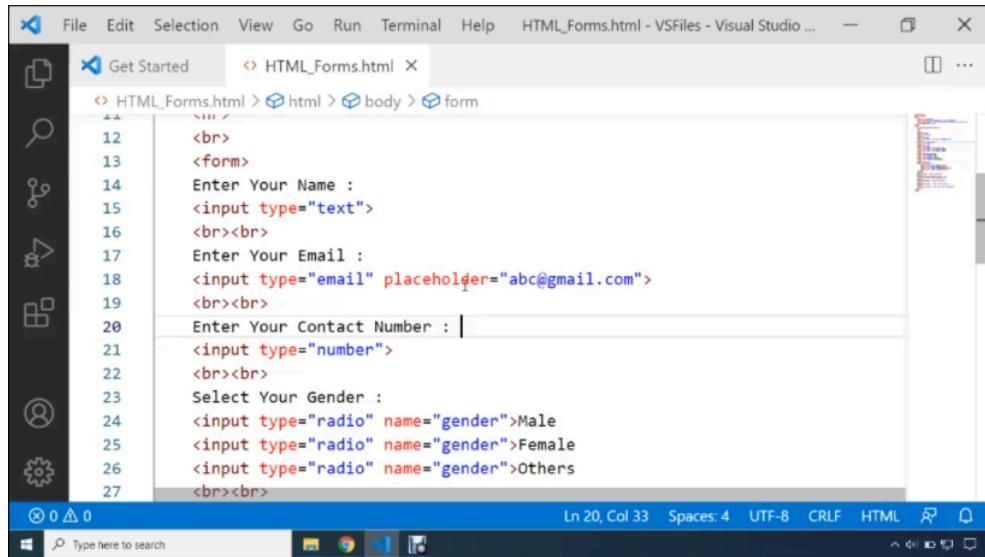
Date Of Birth :

Write A Description About Yourself :

Choose A Username :

Enter Any Password :

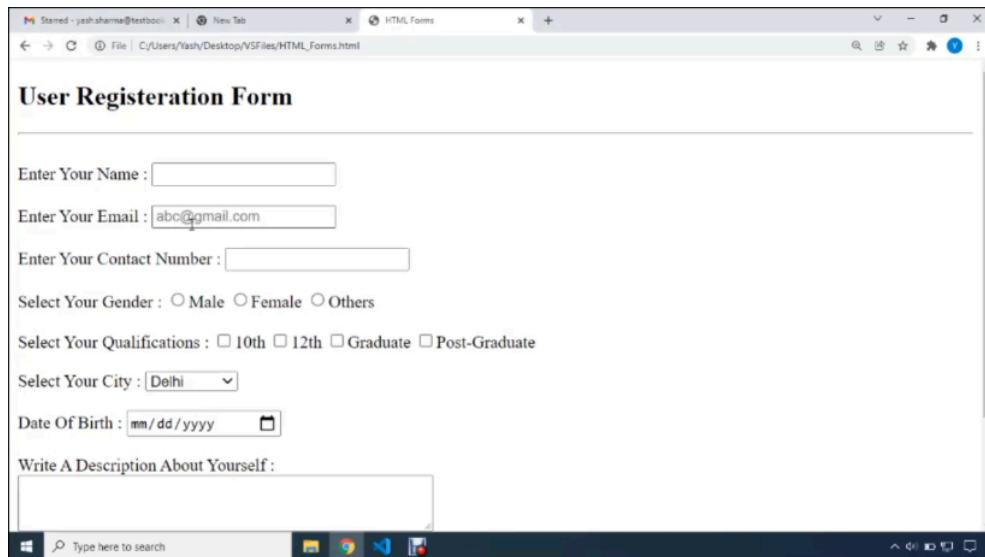
Attribute: Placeholder --> provide hint to user.



```

<form>
  Enter Your Name :
  <input type="text">
<br><br>
  Enter Your Email :
  <input type="email" placeholder="abc@gmail.com">
<br><br>
  Enter Your Contact Number :
  <input type="number">
<br><br>
  Select Your Gender :
  <input type="radio" name="gender">Male
  <input type="radio" name="gender">Female
  <input type="radio" name="gender">Others
<br><br>

```



User Registration Form

Enter Your Name :

Enter Your Email :

Enter Your Contact Number :

Select Your Gender : Male Female Others

Select Your Qualifications : 10th 12th Graduate Post-Graduate

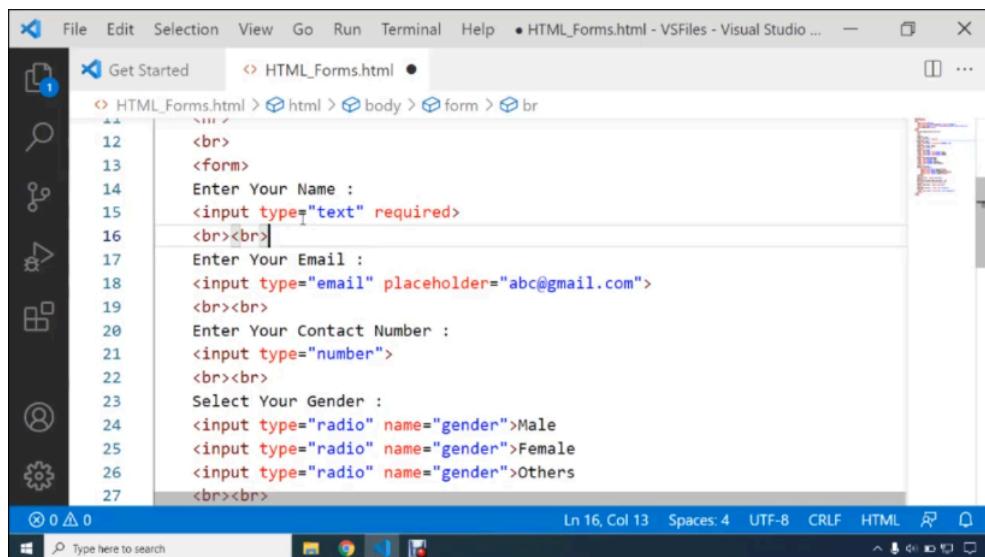
Select Your City :

Date Of Birth :

Write A Description About Yourself :

Attribute : required

if you want some of the filesds are compulsory / mandetaory then use the required attribute inside the field or element.



```

<form>
  Enter Your Name :
  <input type="text" required>
<br><br>
  Enter Your Email :
  <input type="email" placeholder="abc@gmail.com">
<br><br>
  Enter Your Contact Number :
  <input type="number">
<br><br>
  Select Your Gender :
  <input type="radio" name="gender">Male
  <input type="radio" name="gender">Female
  <input type="radio" name="gender">Others
<br><br>

```

User Registration Form

Enter Your Name :

Enter Your Email : Please fill out this field.

Enter Your Contact Number :

Select Your Gender : Male Female Others

Select Your Qualifications : 10th 12th Graduate Post-Graduate

Select Your City :

Date Of Birth :

Write A Description About Yourself :

Choose A Username :

Enter Any Password :

must name and email to input because the fields are required.