

EXP6

Aim: Understanding Forms tag & its attributes

Software Required: VS Code

Theory:

HTML Form:

Forms are required to take input from the user who visits the website. This form is used basically for the registration process, logging into your profile on a website or to create your profile on a website, etc.

The information that is collected from the form is -1. Name 2. Email Addresses etc. Now the form will take input from the form and post that data in backend applications (like PHP).

So, the backend application will process the data which is received by them. There are various form elements that we can use like text fields, text area, drop-down list, select, checkboxes, radio, etc.

HTML form Attributes:

There are many attributes that are associated with the <form> tag. Some of them are listed below:

- ▮ Action Attribute: - This is used to send the data to the server after the submission of the form.
- ▮ Method: This is used to upload the data by using two methods that are Get and Post.
Get Method: It has a limited length of characters of URL. We should not use get to send some sensitive data. This method is better for non-secure data.
Post Method: It has no size limitations. The submission of the form with the method post, cannot be bookmarked.
- ▮ Enctype attribute: -This attribute is used to specify that how a browser decodes the data before it sends it to the server .so the values of this attribute are:
 - 1.application/x-www-form-urlencoded – It is the standard method most forms used
 2. multipart/form-data -it is used when you have something to upload like files of images,word files, etc.

HTML form tag:

1. <form>: It defines an HTML form to enter inputs by the used side.
2. <input>: It defines an input control.
3. <label>: It defines a label for an input element.
4. <select>: It defines a drop-down list.
5. <option>: It defines an option in a drop-down list.
6. <button>: It defines a clickable button.
7. <legend>: It defines a caption for a <fieldset> element.
8. <fieldset>: It groups the related element in a form.
9. <optgroup>: It defines a group of related options in a drop-down list.
10. <footer>: It represents container for the footer content in a form.

Syntax:

<form> Form Content... </form>

Conclusion:

Thus, we created forms with different tags and attributes

Code:

```
<> exp6.html > html > body
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title> Form</title>
5  </head>
6
7  <body style="background-color: royalblue;">
8      <form>
9          <table align="center" width="800" border="3">
10             <tr>
11                 <div class="p2">
12                     <th colspan="2">
13                         <h1 align="center">Student Registration Form </h1>
14                     </th>
15                 </div>
16             </tr>
17         </table>
18
19         <table align="center" width="800" cellpadding="4">
20             <tr border="0">
21                 <td width="200">Name : </td>
22                 <td><input type="text" size="50" value="Enter full Name"></td>
23             </tr>
24             <tr>
25                 <td>Father's Name :</td>
26                 <td><input type="text" size="50" value="Enter Father's Name"></td>
27             </tr>
28             <tr>
29                 <td>Mother's Name </td>
30                 <td><input type="text" size="50" value="Enter Mother's Name"></td>
31             </tr>
32             <tr>
```

```

30      <td><input type="text" size="50" value="Enter Mother's Name"></td>
31    </tr>
32  <tr>
33    <td>Phone Number :</td>
34    <td><input type="num" size="50" value="91xxxxxxxxx"></td>
35  </tr>
36  <tr>
37    <td>Email :</td>
38    <td><input type="text" size="50" value="sample@gmail.com"></td>
39  </tr>
40  <tr>
41    <td>Gender :</td>
42    <td><input type="radio">Male
43      <input type="radio">Female
44      <input type="radio"> Other
45    </td>
46  </tr>
47  <tr>
48    <td>Date of Birth :</td>
49    <td><input type="date" size="5"></td>
50  </tr>
51  <tr>
52    <td>Address :</td>
53    <td><input type="text" size="70" value="Address"></td>
54  </tr>
55  <tr>
56    <td>Blood group :</td>
57    <td>
58      <select name="Blood Group">
59        <option value="select">select</option>
60        <option value="A+">A+</option>
61        <option value="A-">A-</option>

```

```

54    </tr>
55  <tr>
56    <td>Blood group :</td>
57    <td>
58      <select name="Blood Group">
59        <option value="select">select</option>
60        <option value="A+">A+</option>
61        <option value="A-">A-</option>
62        <option value="AB+">AB+</option>
63        <option value="AB-">AB-</option>
64        <option value="B+">B+</option>
65        <option value="B-">B-</option>
66        <option value="O+">O+</option>
67        <option value="O-">O-</option>
68      </select>
69    </td>
70  </tr>
71  <tr>
72    <td>
73      Department :
74    </td>
75    <td><input type="radio">ETRX
76      <input type="radio">EXTC
77      <input type="radio"> CS
78    </td>
79  </tr>
80  <tr>
81    <td>Course :</td>
82    <td>
83      <input type="radio">C++
84      <input type="radio"> CCN
85      <input type="radio"> Python

```

```

78         </td>
79     </tr>
80     <tr>
81         <td>Course :</td>
82         <td>
83             <input type="radio">C++
84             <input type="radio"> CCN
85             <input type="radio"> Python
86             <input type="radio"> IoT
87         </td>
88     </tr>
89     <tr>
90         <td>Photo : </td>
91         <td><input type="file"></td>
92     </tr>
93     <tr>
94         <td colspan="2" align="center">
95             <input type="button" value="Submit" > <input type="button" value="Reset">
96         </td>
97     </tr>
98 </table>
99
100 </form>
101 <footer>
102     <h1 align="center">Author Name :-Hemangi Dhage</h1>
103     <h2 align="center">Roll No:- 09</h2>
104 </footer>
105 </body>
106
107 </html>

```

Output:

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:5500/exp6.html'. The page content is as follows:

Student Registration Form

Name :

Father's Name :

Mother's Name :

Phone Number :

Email :

Gender : ☐ Male ☐ Female ☐ Other

Date of Birth :

Address :

Blood group :

Department : ☐ ETRX ☐ EXTC ☐ CS

Course : ☐ C++ ☐ Java ☐ Python ☐ Robotics

Photo : No file selected.

Author Name:-Vijay Yadav

Roll No:- 22