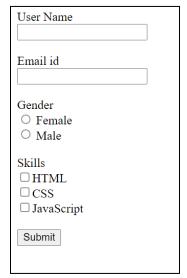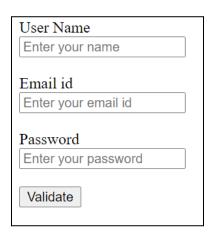# Practice code - Forms

Problem Statement 1: Simple form with input elements

Create a simple form with labels and input elements with different types: text, email, radio, checkbox, and submit.

User Name

Email id

Gender
○ Female
○ Male

Skills
☐ HTML
☐ CSS
☐ JavaScript

Submit

Problem Statement 2: Validate Form

Create a form that validates the input elements using the *required* attribute, and display an alert on the click event of the *button*.

User Name
Enter your name

Email id
Enter your email id

Password
Enter your password

Validate

Server validating

OK

Problem Statement 3: Textarea

Create a form that has a textarea with 5 rows and a submit button.

Textarea

About you

Submit

Problem Statement 4: Survey Form

Create a survey form with input text box (type = text, number, email, password…), text area, dropdown, labels, and button. Use placeholder attributes.

Problem Solutions:

Problem statement 1: Simple form

```html
<!DOCTYPE html>
<html>
<body>
 <form>
    <!--label included to define what should be given as the input-->
    <label for="username">User Name</label><br>
    <!--input type as text-->
    <input type="text" name="username"> <br><br>
    <!--label included to define what should be given as the input-->
    <label for="email_id">Email id</label><br>
    <!--input type as email-->
    <input type="email" name="email_id"> <br><br>
    <!--label included to define what should be given as the input-->
```

```html
    <label>Gender</label><br>
    <!--input type as radio button-->
    <input type="radio" name="gender" value="Female"> Female <br>
    <input type="radio" name="gender" value="Male"> Male <br><br>
    <!--label included to define what should be given as the input-->
    <label>Skills</label> <br>
    <!--input type as checkbox with multiple choice-->
    <input type="checkbox" name="skill1" value="HTML">HTML <br>
    <input type="checkbox" name="skill2" value="CSS">CSS <br>
    <input type="checkbox" name="skill3" value="JS">JavaScript<br><br>
    <!--input type as submit this is act as a button-->
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

Problem statement 2: Validate form

```html
<!DOCTYPE html>
<html>
  <body>
    <form>
      <!-- label for getting user information-->
      <label for="username">User Name</label><br>
      <!--input element - mandatory field -->
      <input type="text" name="username" required placeholder="Enter your name">
      <br><br>
      <!-- label for getting user information-->
      <label for="email_id">Email id</label><br>
      <!--input element - mandatory field -->
      <input type="email" name="email_id" required placeholder="Enter your email id">
      <br><br>
```

```html
    <!-- label for getting user information-->
    <label for="passwrd">Password</label><br>
    <!--input element - mandatory field -->
    <input type="password" name="passwrd" required placeholder="Enter
your password">
    <br><br>
    <!--button is used with alert function -->
    <button onclick="alert('Server validating')">Validate</button>
  </form>
 </body>
</html>
```

Problem statement 3: Text area

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

<h2>Textarea</h2>

<p>About you</p>

<form action="/action_page.php">
  <textarea name="message" rows="5"></textarea>
  <br>
  <input type="submit">
</form>

</body>
</html>
```

Problem statement 4: Survey form

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

```html
<head>
  <title>HTML Forms</title>
</head>
<body>
  <form>
    <!-- label for defining user information-->
  <label id="name-label" for="name">Name</label> <br>
  <!-- input with required fields -->
  <input type="text" name="name" id="name" placeholder="Enter Your
Name" required> <br><br>
  <!-- label for defining user information-->
  <label id="email-label" for="email">Email</label> <br>
  <!-- input with required fields -->
  <input type="email" name="email" id="email"
placeholder="test@gmail.com" required> <br><br>
  <!-- label for defining user information-->
  <label id="number-label" for="number">Roll No</label> <br>
  <!-- input with required fields -->
  <input type="number" name="number" id="number" placeholder="roll"
min="0" max="100" required> <br><br>
  <!-- label for defining user information-->
  <label for="drop-down">How do you rate our courses?</label> <br>
  <!-- drop-down -->
  <select name="drop-down" id="drop-down">
    <option value="Excellent">Excellent
    </option>
    <option value="Good">Good
    </option>
    <option value="Fair">Fair
    </option>
    <option value="Poor">Poor
    </option>
  </select> <br><br>
  <!-- label for defining user information-->
  <label>Your Favorite Topic in HTML</label> <br>
```

```html
    <!-- checkbox -->
    <input type="checkbox" name="topic1"
value="Structuralelements">Structural Elements <br>
    <input type="checkbox" name="topic2" value="LinksandList">Links and
List <br>
    <input type="checkbox" name="topic3" value="media">HTML Media<br>
    <input type="checkbox" name="topic4" value="tables">HTML Table<br>
    <input type="checkbox" name="topic5" value="groupelements">Grouping
Elements<br>
    <input type="checkbox" name="topic6" value="forms">Forms<br><br>
    <!-- label for defining user information-->
    <label>Do you like the HTML course?</label> <br>
    <!-- radio button -->
    <input type="radio" name="course" value="yes"> Yes
    <input type="radio" name="course" value="no"> No <br><br>
    <!-- label for defining user information-->
    <label>Few words about course</label> <br>
    <!-- text area -->
    <textarea rows="5" cols="50" name="Description"
id="Description"></textarea> <br><br>
    <!--button with alert-->
    <button type="button" onclick="alert('Validating')">Submit</button>
    </form>
 </body>
</html>
```