

Experiment 1

Problem: Create a basic yet visually appealing webpage for a user registration form using only HTML. The page should include essential elements such as input fields for name, email, and password. Implement a clean and straightforward design that is responsive to different screen sizes. Ensure proper labeling and organization of form elements, demonstrating a fundamental understanding of HTML structure and layout principles. The challenge lies in creating an aesthetically pleasing and user-friendly registration page without using external CSS or JavaScript.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Student Registration Form</title>
  <style>    body {      font-
family: Arial, sans-serif;
margin: 20px;
    }

    .form-container {
max-width: 800px;
margin: 0 auto;
    }    h2 {
text-align: center;
    text-decoration: underline;
    }
    table {
width: 100%;
border-collapse: collapse;
    }
    td {
padding: 8px;      vertical-
align: top;
    }    input[type="text"], input[type="email"], input[type="number"],
select, textarea {      width: 100%;      padding: 5px;      margin:
4px 0;
```

```
box-sizing: border-box;
```



}



```
<td>  
  <select name="day">  
    <option value="">Day</option>
```

```

        <option value="1">1</option>
        <option value="2">2</option>
        <!-- Add more days as needed -->
    </select>
    <select name="month">
        <option value="">Month</option>
        <option value="January">January</option>
        <option value="February">February</option>
        <!-- Add more months -->
    </select>
    <select name="year">
        <option value="">Year</option>
        <option value="2000">2000</option>
        <option value="2001">2001</option>
        <!-- Add more years -->
    </select>
</td>
</tr>
<tr>
    <td>EMAIL ID</td>
    <td><input type="email" name="email" placeholder="Enter
your email"></td>
</tr>
<tr>
    <td>MOBILE NUMBER</td>
    <td><input type="text" name="mobile" maxlength="10" placeholder="10
digit number"></td>
</tr>
<tr>
    <td>GENDER</td>
    <td>
        <input type="radio" name="gender" value="male"> Male
        <input type="radio" name="gender" value="female"> Female
    </td>
</tr>
<tr>
    <td>ADDRESS</td>
    <td><textarea name="address" placeholder="Enter your
address"></textarea></td>
</tr>
<tr>
    <td>CITY</td>
    <td><input type="text" name="city" maxlength="30" placeholder="max
30 characters a-z and A-Z"></td>
</tr>

```



```
<tr>
  <td>PIN CODE</td>
  <td><input type="text" name="pin_code" maxlength="6" placeholder="6
```

```

digit number"></td>
</tr>
<tr>
<td>STATE</td>
<td><input type="text" name="state" maxlength="30" placeholder="max
30 characters a-z and A-Z"></td>
</tr>
<tr>
<td>COUNTRY</td>
<td><input type="text" name="country" value="India" readonly></td>
</tr>
<tr>
<td>HOBBIES</td>
<td class="hobbies">
<input type="checkbox" name="hobbies" value="Coding"> Coding
<input type="checkbox" name="hobbies" value="Blog-Writing">
BlogWriting
<input type="checkbox" name="hobbies" value="Hacking"> Hacking
<input type="checkbox" name="hobbies" value="Cricket"> Cricket
<input type="checkbox" name="hobbies" value="Others"> Others
<input type="text" name="other_hobby" placeholder="Specify">
</td>
</tr>
<tr>
<td>QUALIFICATION</td>
<td>
<table border="1" width="100%">
<tr>
<th>Sl.No.</th>
<th>Examination</th>
<th>Board</th>
<th>Percentage</th>
<th>Year of Passing</th>
</tr>
<tr>
<td>1</td>
<td>Class X</td>
<td><input type="text" name="board_x" maxlength="10"></td>
<td><input type="text" name="percentage_x" maxlength="5"></td>
<td><input type="text" name="year_x" maxlength="4"></td>
</tr>
<tr>
<td>2</td>
<td>Class XII</td>
<td><input type="text" name="board_xii" maxlength="10"></td>

```

```

        <td><input type="text" name="percentage_xii"
maxlength="5"></td>
        <td><input type="text" name="year_xii" maxlength="4"></td>
    </tr>
    <tr>
        <td>3</td>
        <td>Graduation</td>
        <td><input type="text" name="board_grad" maxlength="10"></td>
        <td><input type="text" name="percentage_grad"
maxlength="5"></td>
        <td><input type="text" name="year_grad" maxlength="4"></td>
    </tr>
    <tr>
        <td>4</td>
        <td>Masters</td>
        <td><input type="text" name="board_masters"
maxlength="10"></td>
        <td><input type="text" name="percentage_masters"
maxlength="5"></td>
        <td><input type="text" name="year_masters" maxlength="4"></td>
    </tr>
</table>
</td>
</tr>
<tr>
    <td>COURSES APPLIED FOR</td>
    <td>
        <input type="radio" name="course" value="B.Tech"> B.Tech
        <input type="radio" name="course" value="M.Tech"> M.Tech
        <input type="radio" name="course" value="PhD"> PhD
        <input type="radio" name="course" value="MS"> MS
    </td>
</tr>
</table>
<div class="buttons">
    <input type="submit" value="Submit">
    <input type="reset" value="Reset">
</div>
</form>
</div>
</body>
</html>

```


Tags:

- `<!DOCTYPE html>`: Declares the document type as HTML5.
- `<html lang="en">`: Defines the root HTML element with English as the language.
- `<head>`: Contains metadata and links for the document.
- `<meta charset="UTF-8">`: Sets the character encoding to UTF-8.
- `<meta name="viewport" content="width=device-width, initial-scale=1.0">`:

Ensures responsive design for different screen sizes.

- `<title>Student Registration Form</title>`: Defines the title of the webpage.
- `<style>`: Contains CSS styles for formatting the page.
- `<body>`: Represents the main content of the webpage.
- `<div class="form-container">`: A wrapper div for styling the form.
- `<h2>STUDENT REGISTRATION FORM</h2>`: A heading with underlined text.
- `<form action="#" method="post">`: Defines a form with POST submission.
- `<table>`: Creates a table structure for form fields.
- `<tr>`: Defines a table row.
- `<td>`: Represents a table cell.
- `<input type="text">`: Text input fields for user input.
- `<input type="email">`: Email input field.
- `<input type="number">`: Numeric input field.
- `<select>`: Dropdown list for selecting options.
- `<option>`: Defines an item in a dropdown.
- `<textarea>`: Multi-line text input field.
- `<input type="radio">`: Radio buttons for selecting one option.
- `<input type="checkbox">`: Checkboxes for multiple selections.
- `<input type="submit">`: Submit button for the form.
- `<input type="reset">`: Reset button to clear the form.
- `<table border="1">`: Nested table for academic qualifications.
- `<th>`: Defines a table header cell.
- `<input readonly>`: Input field with read-only property.
- `<div class="buttons">`: Container for form buttons.

Output :

STUDENT REGISTRATION FORM

FIRST NAME

max 30 characters a-z and A-Z

Middle NAME

max 30 characters a-z and A-Z

LAST NAME

max 30 characters a-z and A-Z

DATE OF BIRTH

10

February

2004

EMAIL ID

Suyashtambe03@gmail.com

MOBILE NUMBER

9234456788

GENDER

☒ Male ☐ Female

ADDRESS

Pune hadapsar

CITY

Pune

PIN CODE

411028

STATE

Maharashtra

COUNTRY

India

HOBBIES

☒ Coding ☐ Blog-Writing ☒ Hacking ☒ Cricket ☐ Others

Specify

QUALIFICATION

Sl.No.	Examination	Board	Percentage	Year of Passing
1	Class X	CBSE	73	2020
2	Class XII	CBSE	70	2022
3	Graduation	Autonomous	7.1	2026
4	Masters	NA	NA	NA

COURSES APPLIED FOR

☐ B.Tech ☐ M.Tech ☐ PhD ☒ MS

Submit

Reset