

Experiment-04

Develop HTML page named as “registration.html” having variety of HTML input elements with background colors, table for alignment & provide font colors & size using CSS styles.

Program:

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Registration Form</title>

    <style>

        body {

            font-family: Arial, sans-serif;

            background-color: #f0f0f0;

            margin: 0;

            padding: 20px;

        }

        h1 {
```

```
    color: #333;

    text-align: center;

}

table {

    width: 100%;

    max-width: 600px;

    margin: 0 auto;

    background-color: #fff;

    padding: 20px;

    border-radius: 8px;

    box-shadow: 0 0 10px rgba(0,0,0,0.1);

}

td {

    padding: 10px;

}

label {

    color: #555;

    font-weight: bold;

}
```

```
input[type="text"], input[type="email"], input[type="password"],
select, textarea {

    width: 100%;

    padding: 8px;

    border: 1px solid #ddd;

    border-radius: 4px;

    box-sizing: border-box;

    font-size: 16px;
}

input[type="radio"], input[type="checkbox"] {

    margin-right: 5px;
}

input[type="submit"] {

    background-color: #4CAF50;

    color: white;

    padding: 10px 20px;

    border: none;

    border-radius: 4px;

    cursor: pointer;
}
```

```
    font-size: 18px;

}

input[type="submit"]:hover {

    background-color: #45a049;

}

.error {

    color: #ff0000;

    font-size: 14px;

}

</style>

</head>

<body>

    <h1>Registration Form</h1>

    <form action="#" method="post">

        <table>

            <tr>

                <td><label for="fullname">Full Name:</label></td>

                <td><input type="text" id="fullname" name="fullname"

required></td>
```

</tr>

<tr>

<td><label for="email">Email:</label></td>

<td><input type="email" id="email" name="email"
required></td>

</tr>

<tr>

<td><label for="password">Password:</label></td>

<td><input type="password" id="password" name="password"
required></td>

</tr>

<tr>

<td><label for="confirm_password">Confirm
Password:</label></td>

<td><input type="password" id="confirm_password"
name="confirm_password" required></td>

</tr>

<tr>

<td><label>Gender:</label></td>

<td>

```
<input type="radio" id="male" name="gender" value="male"
required>
```

```
<label for="male">Male</label>
```

```
<input type="radio" id="female" name="gender"
value="female" required>
```

```
<label for="female">Female</label>
```

```
<input type="radio" id="other" name="gender" value="other"
required>
```

```
<label for="other">Other</label>
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td><label for="birthdate">Date of Birth:</label></td>
```

```
<td><input type="date" id="birthdate" name="birthdate"
required></td>
```

```
</tr>
```

```
<tr>
```

```
<td><label for="country">Country:</label></td>
```

```
<td>
```

```
<select id="country" name="country" required>
```

```
<option value="">Select a country</option>

<option value="usa">India</option>

<option value="uk">United Kingdom</option>

<option value="canada">Canada</option>

<option value="australia">Australia</option>

<option value="other">Other</option>

</select>

</td>

</tr>

<tr>

<td><label for="interests">Interests:</label></td>

<td>

<input type="checkbox" id="sports" name="interests[]"
value="sports">

<label for="sports">Sports</label>

<input type="checkbox" id="music" name="interests[]"
value="music">

<label for="music">Music</label>

<input type="checkbox" id="reading" name="interests[]"
value="reading">
```

```
<label for="reading">Reading</label>

<input type="checkbox" id="travel" name="interests[]"
value="travel">

<label for="travel">Travel</label>

</td>

</tr>

<tr>

<td><label for="bio">Bio:</label></td>

<td><textarea id="bio" name="bio" rows="4"></textarea></td>

</tr>

<tr>

<td colspan="2" style="text-align: center;">

<input type="submit" value="Register">

</td>

</tr>

</table>

</form>

</body>

</html>
```


Explanation

Step 1: Document Structure

The document starts with the standard HTML5 declaration and structure.

The <head> section contains metadata, title, and embedded CSS styles.

The <body> section contains the form.

Step 2: Styling (CSS)

The style section defines the appearance of the form and its elements.

It sets the font, colors, layout, and responsive design for the form.

Specific styles are applied to different input types, labels, and the submit button.

A class for error messages is defined but not used in the HTML.

Step 3: Form Structure

The form is created using the <form> tag with a placeholder action "#".

A table is used to structure the form layout.

Step 4: Form Fields

The form includes the following fields:

Full Name (text input)

Email (email input)

Password (password input)

Confirm Password (password input)

Gender (radio buttons)

Date of Birth (date input)

Country (select dropdown)

Interests (checkboxes)

Bio (textarea)

Submit button

Step 5: Input Attributes and Validation

Most fields are marked as required.

Appropriate input types are used (e.g., email for email address, date for birthdate).

The password field has a confirmation field.

The country dropdown includes a default "Select a country" option.

Step 6: Styling Details

The form has a white background with rounded corners and a shadow.

Input fields have consistent styling with padding and border-radius.

The submit button has a green color with a hover effect.

The layout is responsive, with a maximum width set for larger screens.

This registration form demonstrates several important concepts:

HTML form structure and various input types

Basic client-side form validation using HTML5 attributes

Responsive design using CSS

Styling form elements for a consistent and appealing look

Use of tables for form layout (though modern practices often prefer CSS grid or flexbox)