

Day 8

1.simple Calculator

```
<!DOCTYPE html>

<html>

<head>

<title>Simple Calculator</title>

<style>

body {

margin: 0;

padding: 0;

height: 100vh;

background: #e6f2ff;

display: flex;

justify-content: center;

align-items: center;

}

#cal_Form {

background: #ffffff;

border: 3px solid #0077cc;

border-radius: 10px;

padding: 30px 40px;

text-align: center;

width: 350px;

}
```

```
#cal_Form h2 {
margin-bottom: 20px;
color: #004080;
}

label {
font-weight: bold;
display: inline-block;
width: 120px;
text-align: left;
margin-bottom: 8px;
}

#result {
font-weight: bold;
color: green;
margin-top: 15px;
}

</style>

</head>

<body>

<div id="cal_Form">

<h2>Simple Calculator</h2>

<form name="calcForm" onsubmit="return calculate();">

<label for="input1">Input 1:</label>

<input type="number" id="input1" name="input1" required><br>
```

```
<label for="input2">Input 2:</label>

<input type="number" id="input2" name="input2" required><br>

<label for="operation">Operation:</label>

<select id="operation" name="operation" required>

<option value="">Select...</option>

<option value="add">ADD</option>

<option value="sub">SUBTRACT</option>

<option value="mul">MULTIPLY</option>

<option value="div">DIVIDE</option>

</select><br>

<input type="image" src="download.jpg" alt="Submit" width="80" height="30">

<br>

<p id="result"></p>

</form>

</div>

<script>

function calculate() {

var num1 = parseFloat(document.getElementById("input1").value);

var num2 = parseFloat(document.getElementById("input2").value);

var operation = document.getElementById("operation").value;

var result = "";

if (operation === "add") {

result = num1 + num2;
```

```
} else if (operation === "sub") {  
    result = num1 - num2;  
} else if (operation === "mul") {  
    result = num1 * num2;  
} else if (operation === "div") {  
    if (num2 === 0) {  
        result = "Cannot divide by zero";  
    } else {  
        result = num1 / num2;  
    }  
} else {  
    result = "Please select a valid operation";  
}  
  
document.getElementById("result").innerText = "Result: " + result;  
  
return false;  
}  
  
</script>  
  
</body>  
  
</html>
```

Simple Calculator

Input 1:

Input 2:

Operation:

MULTIPLY ▼

Submit

RESET

Result: 4

2.Player Application Form Validation

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Player Details</title>
```

```
<style>
```

```
body {
```

```
font-family: Arial, sans-serif;
```

```
background-color: #f0f8ff;
```

```
width: 700px;
```

```
margin-left: 315px;
```

```
border: 1px solid black;
```

```
}
```

```
.form-container {
```

```
width: 600px;

margin: auto;

border: 1px solid black;

background-color: #b0d4f1;

padding: 20px;

}

.heading,

.buttons {

text-align: center;

background-color: #337ab7;

color: white;

padding: 10px;

margin: 11px 25px 15px 24px;

}

table {

width: 100%;

margin: 0 auto;

}

td {

padding: 8px;

vertical-align: top;

}

label {

font-style: italic;
```

```
font-size: 16px;

margin-left: 105px;

}

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

width: 100%;

padding: 6px;

font-size: 14px;

}

textarea {

height: 60px;

}

.buttons {

margin-top: 15px;

}

input[type="submit"],
input[type="reset"] {

padding: 8px 16px;

margin: 5px;

background-color: white;

color: black;

border: none;
```

border-radius: 4px;

cursor: pointer;

}

.required {

color: red;

}

</style>

<script>

function validateForm(event) {

event.preventDefault();

const name = document.getElementById("name").value.trim();

const dob = document.getElementById("dob").value.trim();

const age = document.getElementById("age").value.trim();

const email = document.getElementById("email").value.trim();

const country = document.getElementById("country").value;

const batting = document.getElementById("batting").checked;

const bowling = document.getElementById("bowling").checked;

const batStyle = document.querySelector('input[name="batstyle"]:checked');

const bowlStyle = document.querySelector('input[name="bowlstyle"]:checked');

const matches = document.getElementById("matches").value.trim();

const runs = document.getElementById("runs").value.trim();

const wickets = document.getElementById("wickets").value.trim();

const namePattern = /^[A-Za-z\s]+\$/;

const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-z0-9.-]+\.[a-z]{2,}\$/;


```
if (!name || !dob || !age || !email || !country || !matches || !runs || !wickets) {  
    alert("All fields marked with * are mandatory.");  
    return false;  
}  
  
if (!namePattern.test(name)) {  
    alert("Name must contain alphabets only.");  
    return false;  
}  
  
if (isNaN(age) || isNaN(matches) || isNaN(runs) || isNaN(wickets)) {  
    alert("Age, Matches, Runs, and Wickets must be numbers.");  
    return false;  
}  
  
if (!emailPattern.test(email)) {  
    alert("Invalid email format.");  
    return false;  
}  
  
if (!batting && !bowling) {  
    alert("Please select at least one Skill.");  
    return false;  
}  
  
if (!batStyle || !bowlStyle) {  
    alert("Please select both Bat and Bowl Style.");  
    return false;  
}
```

```
alert("Form submitted successfully!");

window.location.href = "success.html";

return true;
}

</script>

</head>

<body>

<div class="heading">

<h2>Player Details</h2>

</div>

<form onsubmit="return validateForm(event)">

<div class="form-container">

<table>

<tr>

<td><label>Name<span class="required">*</span></label></td>

<td><input type="text" id="name" placeholder="Enter your name"></td>

</tr>

<tr>

<td><label>DOB<span class="required">*</span></label></td>

<td><input type="text" id="dob" placeholder="DD/MM/YYYY"></td>

</tr>

<tr>

<td><label>Age<span class="required">*</span></label></td>

<td><input type="text" id="age" placeholder="Enter your age"></td>
```

</tr>

<tr>

<td><label>Email Id*</label></td>

<td><input type="email" id="email" placeholder="abc12@xyz.com"></td>

</tr>

<tr>

<td><label>Country*</label></td>

<td>

<select id="country">

<option value="">Select Country</option>

<option>India</option>

<option>Australia</option>

<option>England</option>

<option>South Africa</option>

<option>New Zealand</option>

</select>

</td>

</tr>

<tr>

<td><label>Skill*</label></td>

<td>

<input type="checkbox" id="batting"> Batting

<input type="checkbox" id="bowling"> Bowling

</td>

</tr>

<tr>

<td><label>Bat Style*</label></td>

<td>

<input type="radio" name="batstyle" value="Right"> Right Handed

<input type="radio" name="batstyle" value="Left"> Left Handed

</td>

</tr>

<tr>

<td><label>Bowl Style*</label></td>

<td>

<input type="radio" name="bowlstyle" value="Right"> Right Handed

<input type="radio" name="bowlstyle" value="Left"> Left Handed

</td>

</tr>

<tr>

<td><label>Matches*</label></td>

<td><input type="text" id="matches" placeholder="Matches Played"></td>

</tr>

<tr>

<td><label>Runs*</label></td>

<td><input type="text" id="runs" placeholder="Total runs scored"></td>

</tr>

<tr>

```
<td><label>Wickets<span class="required">*</span></label></td>

<td><input type="text" id="wickets" placeholder="Wickets"></td>

</tr>

<tr>

<td><label>Achievements</label></td>

<td><textarea id="achievements" placeholder="Your Achievements in
Cricket"></textarea></td>

</tr>

</table>

</div>

<div class="buttons">

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

<input type="reset" value="Reset">

</div>

</form>

</body>

</html>
```

Player Details

Name*

Enter your name

DOB*

DD/MM/YYYY

Age*

Enter your age

Email Id*

abc12@xyz.com

Country*

Select Country

Skill*

☐ Batting ☐ Bowling

Bat Style*

☐ Right Handed ☐ Left Handed

Bowl Style*

☐ Right Handed ☐ Left Handed

Matches*

Matches Played

Runs*

Total runs scored

Wickets*

Wickets

Achievements

Your Achievements in Cricket

Submit

Reset

3.color

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Background Color Selector</title>
```

```
<style>
```

```
body {
```

```
font-family: Arial, sans-serif;
```

```
text-align: center;

padding-top: 50px;

}

.color-options {

margin-top: 20px;

}

label {

margin-right: 20px;

font-size: 16px;

cursor: pointer;

}

</style>

</head>

<body>

<h2>Select a Color to Change Background</h2>

<div class="color-options">

<label><input type="radio" name="bgcolor" value="white"
onclick="changeColor('white')" checked> White</label>

<label><input type="radio" name="bgcolor" value="lightblue"
onclick="changeColor('lightblue')"> Light Blue</label>

<label><input type="radio" name="bgcolor" value="lightgreen"
onclick="changeColor('lightgreen')"> Light Green</label>

<label><input type="radio" name="bgcolor" value="lightyellow"
onclick="changeColor('lightyellow')"> Light Yellow</label>

<label><input type="radio" name="bgcolor" value="lightpink"
onclick="changeColor('lightpink')"> Light Pink</label>
```

```
<label><input type="radio" name="bgcolor" value="#f0f0f0"
onclick="changeColor('#f0f0f0')"> Grayish</label>
```

```
</div>
```

```
<script>
```

```
function changeColor(color) {
```

```
document.body.style.backgroundColor = color;
```

```
}
```

```
changeColor('white');
```

```
</script>
```

```
</body>
```

```
</html>
```

Select a Color to Change Background

☐ White ☐ Light Blue ☒ Light Green ☐ Light Yellow ☐ Light Pink ☐ Grayish