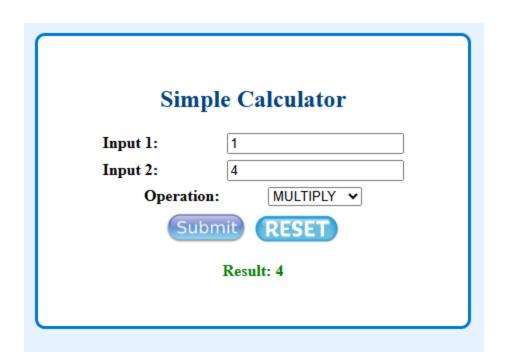
```
Day 8
1.simple Calculator
<!DOCTYPE html>
<html>
<head>
<title>Simple Calculator</title>
<style>
body {
margin: 0;
padding: 0;
height: 100vh;
background: #e6f2ff;
display: flex;
justify-content: center;
align-items: center;
}
#cal_Form {
background: #ffffff;
border: 3px solid #0077cc;
border-radius: 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">
<img src="download (1).jpg" alt="Reset" width="90" height="30"</pre>
onclick="document.calcForm.reset(); document.getElementById('result').innerText =
";"><br>
</form>
</div>
<script>
function calculate() {
var num1 = parseFloat(document.getElementByld("input1").value);
var num2 = parseFloat(document.getElementByld("input2").value);
var operation = document.getElementByld("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>
```



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.getElementByld("email").value.trim();
const country = document.getElementById("country").value;
const batting = document.getElementById("batting").checked;
const bowling = document.getElementByld("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.getElementByld("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;
}
```

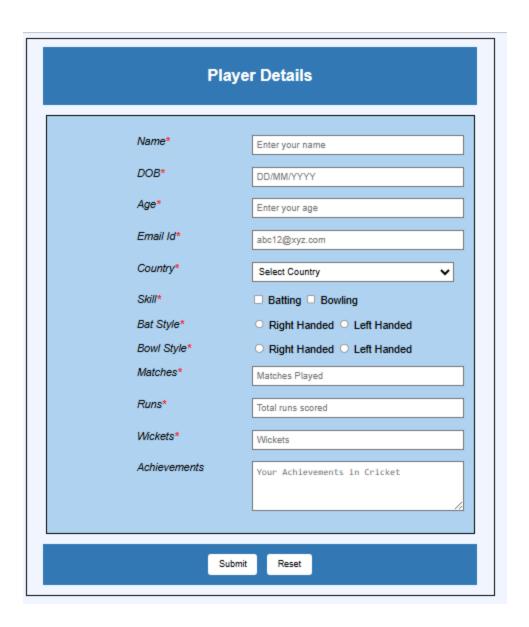
```
alert("Form submitted successfully!");
window.location.href = "success.html";
return true;
}
</script>
</head>
<body>
<div class="heading">
<h2>Player Details</h2>
</div>
<form onsubmit="return validateForm(event)">
<div class="form-container">
<label>Name<span class="required">*</span></label>
="text" id="name" placeholder="Enter your name">
<label>DOB<span class="required">*</span></label>
<input type="text" id="dob" placeholder="DD/MM/YYYY">
<label>Age<span class="required">*</span></label>
<input type="text" id="age" placeholder="Enter your age">
```

```
<label>Email Id<span class="required">*</span></label>
<input type="email" id="email" placeholder="abc12@xyz.com">
<label>Country<span class="required">*</span></label>
>
<select id="country">
<option value="">Select Country</option>
<option>India
<option>Australia
<option>England
<option>South Africa</option>
<option>New Zealand</option>
</select>
<label>Skill<span class="required">*</span></label>
>
<input type="checkbox" id="batting"> Batting
<input type="checkbox" id="bowling"> Bowling
```

```
<label>Bat Style<span class="required">*</span></label>
>
<input type="radio" name="batstyle" value="Right"> Right Handed
<input type="radio" name="batstyle" value="Left"> Left Handed
<label>Bowl Style<span class="required">*</span></label>
<input type="radio" name="bowlstyle" value="Right"> Right Handed
<input type="radio" name="bowlstyle" value="Left"> Left Handed
<label>Matches<span class="required">*</span></label>
<input type="text" id="matches" placeholder="Matches Played">
<label>Runs<span class="required">*</span></label>
input type="text" id="runs" placeholder="Total runs scored">
```

```
<label>Wickets<span class="required">*</span></label>
<input type="text" id="wickets" placeholder="Wickets">
<label>Achievements</label>
<textarea id="achievements" placeholder="Your Achievements in
Cricket"></textarea>
</div>
<div class="buttons">
<input type="submit" value="Submit">
<input type="reset" value="Reset">
</div>
</form>
</body>
```

</html>



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"</pre>
onclick="changeColor('white')" checked> White</label>
<label><input type="radio" name="bgcolor" value="lightblue"</pre>
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"</pre>
onclick="changeColor('lightyellow')"> Light Yellow</label>
<label><input type="radio" name="bgcolor" value="lightpink"</pre>
onclick="changeColor('lightpink')"> Light Pink</label>
```

```
<label><input type="radio" name="bgcolor" value="#f0f0f0"
onclick="changeColor('#f0f0f0')"> Grayish</label>
</div>
</div>
<script>
function changeColor(color) {
  document.body.style.backgroundColor = color;
}
changeColor('white');
</script>
</body>
</html>
```

