

## Practical 3.1

**Write a Javascript code to build a calculator.**

### CODE:-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Easy Calculator</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
      margin-top: 50px;
      background-color: gold;
    }
    input, select {
      padding: 10px;
      margin: 5px;
      font-size: 16px;
    }
    button {
      padding: 10px 20px;
      font-size: 16px;
      cursor: pointer;
      background: #3713ff;
      color: white;
      border: none;
      border-radius: 6px;
    }
    button:hover {
      background: #005fa3;
    }
    h2 {
      margin-top: 20px;
      color: #333;
    }
  </style>
</head>
<body>

  <h1>Easy Calculator</h1>
```

Number 1: <input type="number" id="num1"><br><br>

Number 2: <input type="number" id="num2"><br><br>

```
<select id="operator">
  <option value="+">+</option>
  <option value="-">-</option>
  <option value="*">*</option>
  <option value="/">/</option>
</select><br><br>
```

```
<button onclick="calculate()">Get Answer</button>
```

```
<h2 id="result"></h2>
```

```
<script>
function calculate() {
  let num1 = parseFloat(document.getElementById("num1").value);
  let num2 = parseFloat(document.getElementById("num2").value);
  let operator = document.getElementById("operator").value;
  let result;
  if (operator === "+") {
    result = num1 + num2;
  } else if (operator === "-") {
    result = num1 - num2;
  } else if (operator === "*") {
    result = num1 * num2;
  } else if (operator === "/") {
    result = num1 / num2;
  }
  document.getElementById("result").innerText = "Result = " + result;
}
</script>
```

```
</body>
```

```
</html>
```

### CSS:-

```
body {
  font-family: Arial, sans-serif;
  background: linear-gradient(135deg, #ffecd2, #fcb69f);
  text-align: center;
  padding: 50px;
  margin: 0;
}
```

```
/* Input fields styling */
input[type="number"], select {
  padding: 10px;
  margin: 10px;
  width: 180px;
  font-size: 16px;
  border: 2px solid #333;
  border-radius: 8px;
  outline: none;
  transition: 0.3s;
}

input[type="number"]:focus,
select:focus {
  border-color: #ff6600;
  box-shadow: 0 0 6px rgba(255, 102, 0, 0.7);
}

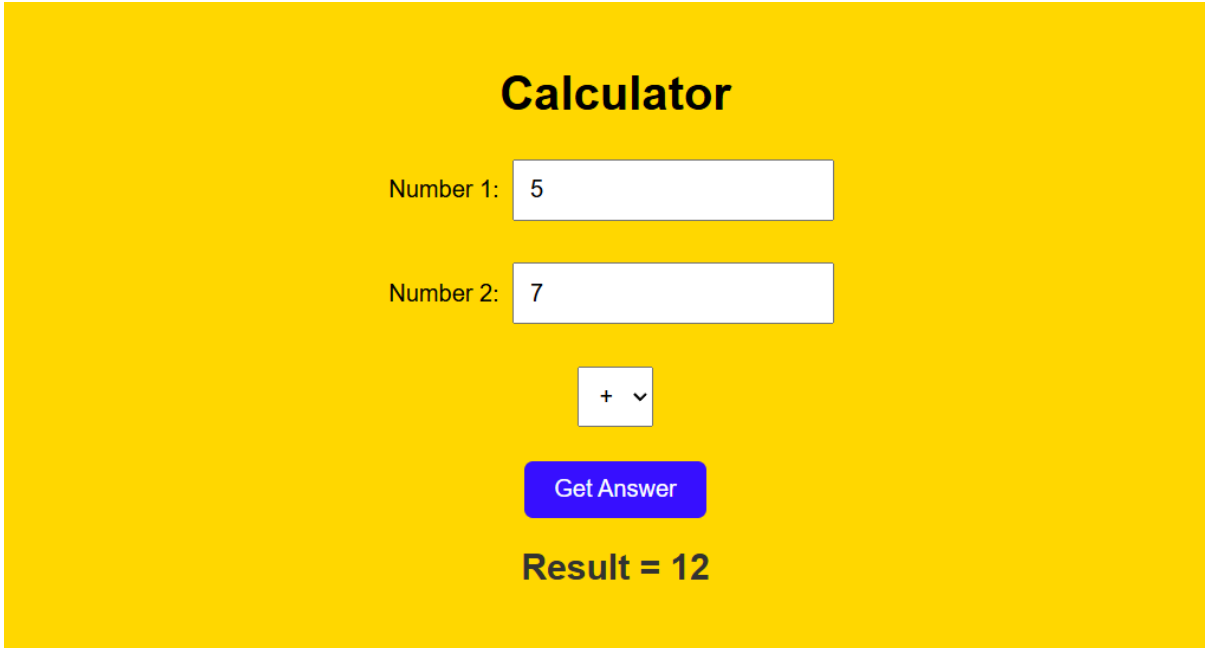
/* Button styling */
button {
  padding: 12px 25px;
  font-size: 16px;
  font-weight: bold;
  background: #ff6600;
  color: white;
  border: none;
  border-radius: 8px;
  cursor: pointer;
  transition: 0.3s;
}

button:hover {
  background: #cc5200;
  transform: scale(1.05);
}

/* Result display */
h3 {
  margin-top: 25px;
  display: inline-block;
  padding: 12px 20px;
  background: #fff;
  font-size: 18px;
  color: #333;
  border: 2px solid #ff6600;
```

```
border-radius: 8px;  
box-shadow: 0 0 10px rgba(255, 102, 0, 0.4);  
}
```

**Output:-**



**Calclator**

Number 1: 5

Number 2: 7

+ ▾

Get Answer

**Result = 12**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date