Web Application Development Lab

Task8: Design a Simple Calculator using Java Script to perform Sum, Product, Difference, and quotient operations.

Aim: To Design a Simple Calculator using Java Script to perform Sum, Product, Difference, and quotient operations.
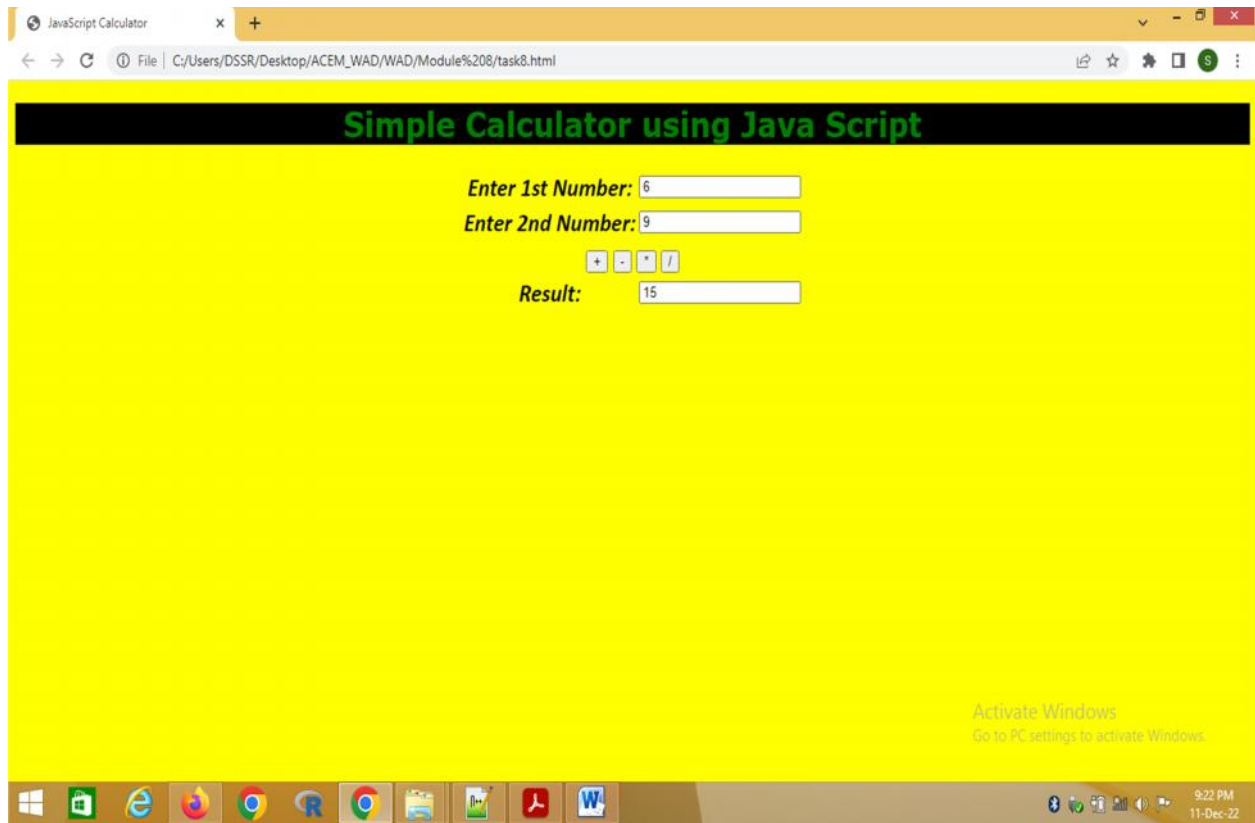
Description: The Java script functions, objects, variables, events and listeners, and DOM are used to design simple calculator to perform arithmetic operations.

HTML Program:

```
<!-- Design a Simple Calculator using JavaScript to perform sum, difference, product and
quotient operations. -->
<!DOCTYPE html>
<html lang = "en">
<head>
<title> JavaScript Calculator </title>
<style>
body
{
 background-color: yellow;
}
th
{
color: black;
font-size:150%;
font-family:calibri;
font-style: italic;
}
h1
{
color:green;
font-size:200%;
font-family:verdana;
text-align:center;
background-color: black;
}
</style>
<script>
function performop(op) {
var n1 = parseInt(document.getElementById("num1").value);
var n2 = parseInt(document.getElementById("num2").value);
var result = 0;
if(op == "+") {
```

```html
result = n1+n2;
}
else if (op == "-") {
result = n1-n2;
}
else if (op == "*") {
result = n1*n2;
}
else {
result = n1/n2;
}
document.getElementById("res").value = result;
}
</script>
</head>
<body>
<h1>Simple Calculator using Java Script</h1>
<center>
<table>
<tr>
<th>Enter 1st Number: </th>
<td><input type="number" name="num1" id="num1" /></td>
</tr>
<tr>
<th>Enter 2nd Number: </th>
<td><input type="number" name="num2" id="num2" /></td>
</tr>
<tr>
<th colspan=2>
<input type="button" value="+" onclick="performop(this.value);"/>
<input type="button" value="-" onclick="performop(this.value);"/>
<input type="button" value="*" onclick="performop(this.value);"/>
<input type="button" value="/" onclick="performop(this.value);"/>
</th>
</tr>
<tr>
<th>Result: </th>
<td><input type="number" name="res" id="res" readonly/></td>
</tr>
</table>
</center>
</body>
</html>
```

Output:-

Result:- The simple calculator was designed to perform simple calculations.