

PROGRAM -1: Write a JavaScript to design a simple calculator to perform the following operations: sum, product, difference and quotient.

```
<!DOCTYPE html>

<html>

<head>

<title>Experiment-1</title>

<style type="text/css">

    table, td, th{

        border: 2px solid;

        text-align: center;

        background-color: skyblue;

        margin: auto;

    }

    input {

        text-align: center;

    }

</style>

<script type="text/javascript">

    function calc(clicked_id)

    {

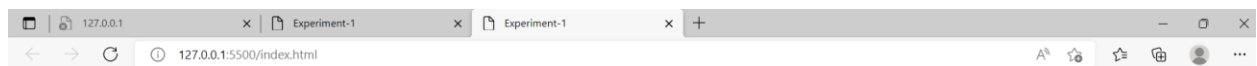
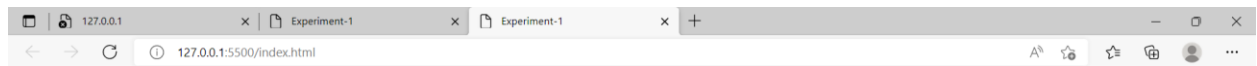
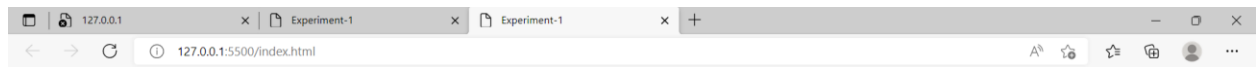
        var v1=parseFloat(document.getElementById("value1").value);

        var v2=parseFloat(document.getElementById("value2").value);
```

```
if(isNaN(v1) || isNaN(v2))
    alert("please enter a valid number");
else if(clicked_id=="add")
    document.getElementById("answer").value=v1+v2;
else if(clicked_id=="sub")
    document.getElementById("answer").value=v1-v2;
else if(clicked_id=="mul")
    document.getElementById("answer").value=v1*v2;
else if(clicked_id=="div")
{
    if(v2==0)
    {
        alert("please enter a nonzero denominator");
        location.reload();
    }
    else
        document.getElementById("answer").value=v1/v2;
    }
}
</script>
</head>
<body>
<table>
<tr>
```

```
<th colspan="4">Simple Calculator</th>
</tr>
<tr>
<td>Enter Operand-1</td>
<td> <input type="text" id="value1" value="0"/></td>
<td>Enter Operand-2</td>
<td><input type="text" id="value2" value="0"/></td>
</tr>
<tr>
<td><input type="button" value="Addition" id="add" onclick="calc(this.id)"/></td>
<td><input type="button" value="Substraction" id="sub"
onclick="calc(this.id)"/></td>
<td><input type="button" value="Multiplication" id="mul"
onclick="calc(this.id)"/></td>
<td colspan="2"><input type="button" value="Division" id="div"
onclick="calc(this.id)"/></td>
</tr>
<tr>
<td>Result: </td>
<td> <input type="text" id="answer" value="" disabled/> </td>
<td> <input type="button" value="Clear All" id="clear" onclick="clear(this.id)"/> </td>
</tr>
</table>
</body>
</html>
```

Output:



127.0.0.1 Experiment-1 Experiment-1 + 127.0.0.1:5500/index.html

Simple Calculator			
Enter Operand-1	0	Enter Operand-2	45
Addition	Subtraction	Multiplication	Division
Result:	45	Clear All	

127.0.0.1 Experiment-1 Experiment-1 + 127.0.0.1:5500/index.html

Simple Calculator			
Enter Operand-1	0	Enter Operand-2	45
Addition	Subtraction	Multiplication	Division
Result:	-45	Clear All	

127.0.0.1 Experiment-1 Experiment-1 + 127.0.0.1:5500/index.html

Simple Calculator			
Enter Operand-1	0	Enter Operand-2	45
Addition	Subtraction	Multiplication	Division
Result:	0	Clear All	

127.0.0.1 Experiment-1 Experiment-1 + 127.0.0.1:5500/index.html

Simple Calculator			
Enter Operand-1	0	Enter Operand-2	45
Addition	Subtraction	Multiplication	Division
Result:	0	Clear All	

127.0.0.1 Experiment-1 Experiment-1 + 127.0.0.1:5500/index.html

Simple Calculator			
Enter Operand-1	0	Enter Operand-2	45
Addition	Subtraction	Multiplication	Division
Result:	0	Clear All	

127.0.0.1:5500 says
please enter a nonzero denominator
OK

127.0.0.1 Experiment-1 Experiment-1 127.0.0.1:5500/index.html

Simple Calculator			
Enter Operand-1	45	Enter Operand-2	0
Addition	Subtraction	Multiplication	Division
Result:	45	Clear All	

127.0.0.1 Experiment-1 Experiment-1 127.0.0.1:5500/index.html

Simple Calculator			
Enter Operand-1	45	Enter Operand-2	0
Addition	Subtraction	Multiplication	Division
Result:	45	Clear All	

127.0.0.1 Experiment-1 Experiment-1 127.0.0.1:5500/index.html

Simple Calculator			
Enter Operand-1	45	Enter Operand-2	0
Addition	Subtraction	Multiplication	Division
Result:	0	Clear All	

127.0.0.1 Experiment-1 Experiment-1 127.0.0.1:5500/index.html

127.0.0.1:5500 says
please enter a nonzero denominator

Enter Operand-1		Enter Operand-2	
Addition			
Result:		OK	

127.0.0.1 Experiment-1 Experiment-1 127.0.0.1:5500/index.html

Simple Calculator			
Enter Operand-1	abc	Enter Operand-2	23
Addition	Subtraction	Multiplication	Division
Result:		Clear All	

