**Program 9: Design and implement a simple calculator using Java script for operations like addition, multiplication, subtraction, division, square of a number etc.**

**a. Design a calculator like text field for input and output, buttons for numbers and operations etc.**

**b. Validate input values**

**c. Prompt/ alerts for invalid values etc.**

<!DOCTYPE html>

<html>

<body>

<h3>Calculator</h3>

<input id ="text1" placeholder = "Enter Num1">

<br>

<br>

<br>

<input id ="text2" placeholder = "Enter Num2">

<br>

<br>

<br>

<button onclick="sum()" id = "btnl">Add</button>

<button onclick="diff()" id = "btnl">Sub</button>

<button onclick="mul()" id = "btnl">Mult</button>

<button onclick="div()" id = "btnl">Div</button>

<br>

<br>

<br>

<input id = "text3" placeholder = "result">

<script>

function sum(){

var x = parseFloat(document.getElementById("text1").value);

var y = parseFloat(document.getElementById("text2").value);

var s1 = x + y;

document.getElementById("text3").value = s1;

alert(s1);

}

function diff(){

var x = parseFloat(document.getElementById("text1").value);

var y = parseFloat(document.getElementById("text2").value);

var s2 = x - y;

document.getElementById("text3").value = s2;

alert(s2);

}

function mul(){

var x = parseFloat(document.getElementById("text1").value);

var y = parseFloat(document.getElementById("text2").value);

var s3 = x \* y;

document.getElementById("text3").value = s3;

alert(s3);

}

function div(){

var x = parseFloat(document.getElementById("text1").value);

var y = parseFloat(document.getElementById("text2").value);

var s4 = x / y;

document.getElementById("text3").value = s4;

alert(s4);

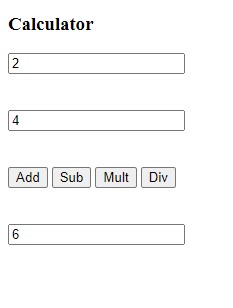
}

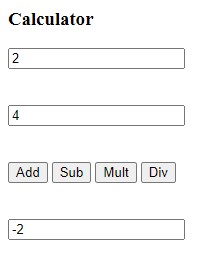
</script>

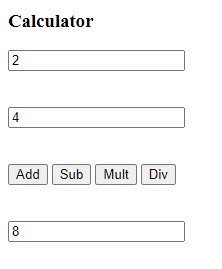
</body>

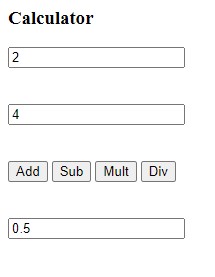
</html>

**OUTPUT:**

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