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

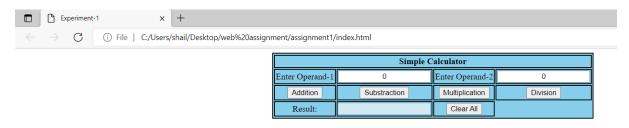
```
<!DOCTYPE html>
<html>
<head>
       <title>Experiment-1</title>
       <style type="text/css">
               table, td, th{
                       border: 2px solid;
                       text-align: center;
                       background-color: skyblue;
                       margin: auto;
               }
               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;
```

```
document.getElementById("answer").value=v1*v2;
                   else if(clicked_id=="div")
                   {
                          if(v2==0)
                          {
                                 alert("Please Enter a Non Zero Denominator");
                                 location.reload();
                          }
                          else
                                 document.getElementById("answer").value=v1/v2;
                   }
                   }
             function cls()
             {
                   value1.value="0";
                   value2.value="0";
                   answer.value="";
             }
      </script>
</head>
<body>
       Simple Calculator 
             Enter Operand-1
```

else if(clicked_id=="mul")

```
<input type="text" id="value1" value="0"/>
                  Enter Operand-2
                  <input type="text" id="value2" value="0"/>
            <input type="button" value="Addition" id="add"
onclick="calc(this.id)"/> 
                  <input type="button" value="Substraction" id="Sub"
onclick="calc(this.id)"/> 
                  <input type="button" value="Multiplication" id="mul"
onclick="calc(this.id)"/> 
                  <input type="button" value="Division" id="div"
onclick="calc(this.id)"/> 
             Result: 
                  <input type="text" id="answer" value="" disabled/>
                  <input type="button" value="Clear All" id="cls" onclick="cls(this.id)"/>
</body>
</html>
```

Output:



Test case 1: value1 = 50.56 value2=24.39



Test case 2: value1 = 0 value2=45



Addition

Result:

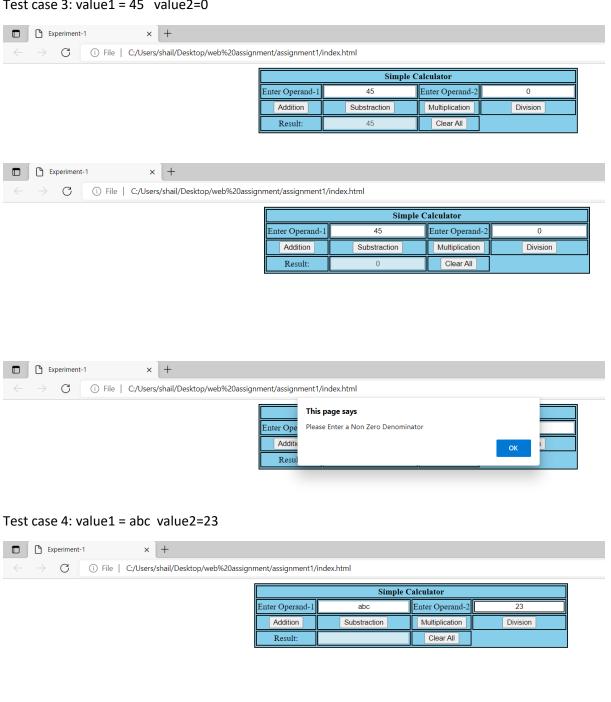
Substraction

Multiplication

Clear All

Division

Test case 3: value1 = 45 value2=0





Test case 5: value1 = 50 value2=xyz

