

Assignment -1Program-1:-

Write a JavaScript to design a simple Calculator to perform the following operations: sum, product, difference and quotient.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Program-1</title>
```

```
<style type="text/css">
```

```
table, td, th {
```

```
border: 1px solid;
```

```
padding: 15px;
```

```
text-align: center;
```

```
background-color: #f5f7b2; <!-- yellow -->
```

```
margen: 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 == "Addition");
```

```
    document.getElementById("answer").value = v1 + v2;
```

```
else if (clicked-id == "Substraction");
```

```
    document.getElementById("answer").value = v1 - v2;
```

```
else if (clicked-id == "Multiplication");
```

```
    document.getElementById("answer").value = v1 * v2;
```

```
else if (clicked-id == "Division");
```

```
{  
    if (v2 == 0)
```

```
        alert("Please Enter a nonZero Denominator");  
        location.reload();
```

```
    }  
    else
```

```
    {
```

```
        document.getElementById("answer").value = v1 / v2;
```

```
    }
```

```
}
```

```
}
```

```
function cls()
```

```
{  
    value1.value = "0";
```

```
    value2.value = "0";
```

```
    value  
    answer.value = "0";
```

```
}
```

```
</script>
```

</head>

< body>

<table>

<tr>

<th colspan="4">SIMPLE CALCULATOR</th>

</tr>

<tr>

<td>operand-1</td>

<td><input type="text" id="Value1" value="0"></td>

<td>operand-2</td>

<td><input type="text" id="Value2" value="0"></td>

</tr>

<tr>

<td><input type="button" value="Addition"

id="Addition" onclick="calc(this.id)"></td>

<td><input type="button" value="Subtraction" id="Subtraction"

onclick="calc(this.id)"></td>

<td><input type="button" value="multiplication" onclick="

calc(this.id)"></td>

<td colspan="5"><input type="button" value="Division"

onclick="calc(this.id)"></td>

</tr>

</tr>

<td> Result: </td>

<td><input type="text" id="answer" value="" enabled</td>

<td><input type="button" value="Clear All" id="cls"

onclick="cls(this.id)" ></td>

</tr>

</table>

</body>

</html>