

• Calculator.html

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta http-equiv="X-UA-Compatible" content="IE=edge">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <script src="/calc.js" type="text/javascript"></script>

  <link rel="stylesheet" href="calc.css">

  <title>Calculator</title>

</head>

<body>

<script type="text/javascript" language="javascript">

function display(val){

  document.getElementById('result').value += val

  return val

}

function solve(){

  try{

    let x = document.getElementById('result').value

    let y = eval(x);

    if(y=='Infinity')

      alert('Cannot divide by zero')

    document.getElementById('result').value = y

    return y

  }

  catch(e){

    alert("Invalid Expression! Please Check and try again");

    document.getElementById("result").value = ""

  }

}

function clearScreen(){

  document.getElementById('result').value = "

}
```

```

</script>

<h1 style="text-align:center">Calculator App</h1>

<div class="container">

<br>

<table>

  <tr>

    <td colspan="3"><input type='text' id='result' class ='screen' style="text-align: right;"></td>

    <td>

      <input type='button' value = 'C' onclick="clearScreen()" class="clear"/>

    </td>

  </tr>

</table>

<div class="keys">

<input type="button" value="7" class="button" onClick="display('7')"></input>
<input type="button" value="8" class="button " onClick="display('8')"></input>
<input type="button" value="9" class="button" onClick="display('9')"></input>
<input type="button" value="/" class="operator" onClick="display('/')"></input>
<input type="button" value="4" class="button" onClick="display('4')"></input>
<input type="button" value="5" class="button" onClick="display('5')"></input>
<input type="button" value="6" class="button" onClick="display('6')"></input>
<input type="button" value="*" class="operator" onClick="display('*')"></input>
<input type="button" value="1" class="button" onClick="display('1')"></input>
<input type="button" value="2" class="button" onClick="display('2')"></input>
<input type="button" value="3" class="button" onClick="display('3')"></input>
<input type="button" value="-" class="operator" onClick="display('-')"></input>
<input type="button" value="0" class="button" onClick="display('0')"></input>
<input type="button" value="." class="button" onClick="display('.')"></input>
<input type="button" value="=" class="button equal-sign" onClick="solve()"></input>
<input type="button" value="+" class="operator" onClick="display('+')"></input></div>

</div>

</body>

```

- **Calc.style**

```
body {  
  padding: 0;  
  margin: 0;  
  background: linear-gradient(to right, #00AAFF, #00FF6C);  
}
```

```
.container {  
  border: 1px solid #cccccc;  
  box-shadow: 10px 10px 30px 0px rgba(0,0,0,0.75);  
  border-radius: 20px;  
  position: absolute;  
  top: 55%;  
  left: 50%;  
  transform: translate(-50%, -50%);  
  width: 450px;  
  height: 400px;  
}
```

```
.keys {  
  display: grid;  
  grid-template-columns: repeat(4, 1fr);  
  grid-gap: 10px;  
  padding: 10px;  
  margin:auto;  
}
```

```
.button {  
  height: 60px;  
  padding: 5px;  
  background-color: #fff;  
  border-radius: 3px;  
  border: 1px solid #c4c4c4;
```

```

    background-color: transparent;

    font-size: 2rem;

    color: #333;

    background-image: linear-gradient(to bottom, transparent, transparent 50%, rgba(0,0,0,.04));

    box-shadow: inset 0 0 0 1px rgba(255,255,255,.05), inset 0 1px 0 0 rgba(255,255,255,.45), inset 0
-1px 0 0 rgba(255,255,255,.15), 0 1px 0 0 rgba(255,255,255,.15);

    text-shadow: 0 1px rgba(255,255,255,.4);
}

.button:hover {

    background-color: #eaeaea;
}

.operator {

    color: #fff;

    background-color: #eebb24;
}

.clear {

    background-color: #f0595f;

    border-color: #b0353a;

    color: #fff;

    width: 80px;

    height: 30px;
}

.clear:hover {

    background-color: #f17377;
}

.equal-sign {

    background-color: #25a8e0;

    border-color: #25a8e0;

    color: #fff;
}

.equal-sign:hover {

    background-color: #4e9ed4;
}

```

```
.screen{  
    background-color:rgb(171, 219, 231);  
    justify-content: left;  
    color: black;  
    font-size: medium;  
    width: 50%;  
    height: 30%;  
    cursor: default;  
    padding: 10px;  
    padding-left: 40%;  
    margin: auto;  
    margin-bottom: 10px;  
}
```

- **Output**



