

```
<!DOCTYPE html>
<html>
<head>
  <link href="images/favicon2.png" rel="icon" />
  <link href="images/favicon2.png" rel="apple-touch-icon" />
  <link rel="stylesheet" type="text/css" href="style.css" />
  <link href="https://fonts.googleapis.com/css?family=Open+Sans:600,700"
rel="stylesheet" />
  <title>Simple Javascript Calculator</title>
  <style>
    body {
      background-image: url("images/bgIm.jpg");
      background-size: cover;
      background-repeat: no-repeat;
    }
  </style>
</head>

<body>
  <div id="calculator">
    <div id="result">
      <div id="history">
        <p id="history-value"></p>
      </div>
      <div id="output">
        <p id="output-value"></p>
      </div>
    </div>
    <div id="keyboard">
      <button class="number" id="clear">C</button>
      <button class="number" id="backspace">CE</button>
      <button class="number" id="%">%</button>
      <button class="number" id="/">÷</button>
      <button class="number" id="7">7</button>
      <button class="number" id="8">8</button>
      <button class="number" id="9">9</button>
      <button class="number" id="*">×</button>
      <button class="number" id="4">4</button>
      <button class="number" id="5">5</button>
      <button class="number" id="6">6</button>
      <button class="number" id="-">-</button>
      <button class="number" id="1">1</button>
      <button class="number" id="2">2</button>
      <button class="number" id="3">3</button>
      <button class="number" id="+">+</button>
      <button class="number" id="(">(</button>
      <button class="number" id=")">)</button>
      <button class="number" id="0">0</button>
    </div>
  </div>
</body>
</html>
```

```

        <button class="number" id="=">=</button>
        <!-- <button class="number" id="0">0</button> -->
        <button class="empty" id="empty"></button>
        <button class="number" id=".">.</button>
        <button class="empty" id="empty"></button>
    </div>
</div>
<div class="copyright">
    <h5 style="color: blue"></h5>
</div>
<script src="script.js"></script>
</body>
</html>

```

Css

```

body {
    font-family: "Open Sans", sans-serif;
    background-color: rgb(81, 75, 75);
}
body::-webkit-scrollbar {
    display: none;
}
/* #container {
    display: flex;
    width: 100%;
    height: fit-content;
    padding: 20px;
    background-image: linear-gradient(rgba(0, 0, 0, 0.3), rgba(0, 0, 0, 0.3));

    margin: 20px auto;
} */
#calculator {
    max-width: 320px;
    width: 340px;
    height: 600px;
    background-color: #eaeef;
    margin: auto;
    padding: 10px;
    top: 37px;
    position: relative;
    border-radius: 5px;
    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0,
0.19);
}
#result {
    height: 120px;

```

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border-width: 2px;
border-color: black;
border-radius: 5px;
background-color: #c2c7cb;
font-size: fit-content;
overflow: scroll;
}

#history {
  text-align: right;
  height: 20px;
  margin: 0 20px;
  padding-top: 20px;
  font-size: 15px;
  color: #919191;
}
#result::-webkit-scrollbar {
  display: none;
}
#history::-webkit-scrollbar {
  display: none;
}
#output {
  text-align: right;
  height: 60px;
  margin: 10px 20px;
  font-size: 30px;
}
#keyboard {
  height: 450px;
  background-color: #eae7ef;
}
.operator,
.number,
.empty {
  width: 50px;
  height: 50px;
  margin: 15px;
  float: left;
  border-radius: 50%;
  border-width: 0;
  font-weight: bold;
  font-size: 15px;
}
.number,
.empty {
  background-color: #eae7ef;
}
```

```

.number,
.operator {
  cursor: pointer;
}
.operator:active,
.number:active {
  font-size: 13px;
}
.operator:focus,
.number:focus,
.empty:focus {
  outline: 0;
}
button:nth-child(4) {
  font-size: 20px;
  background-color: #20b2aa;
}
button:nth-child(8) {
  font-size: 20px;
  background-color: #ffa500;
}
button:nth-child(12) {
  font-size: 20px;
  background-color: #f08080;
}
button:nth-child(16) {
  font-size: 20px;
  background-color: #7d93e0;
}
button:nth-child(20) {
  font-size: 20px;
  background-color: #9477af;
}

.copyright p {
  margin-top: 1.2rem;
  color: #ffffff;
  text-align: center;
  font-size: 0.9rem;
}

.copyright h5 {
  margin-bottom: 1.2rem;
  margin-top: 1rem;
  text-align: center;
  font-size: 1.1rem;
}

```

Script

```

function getHistory() {
    return document.getElementById("history-value");
}
function printHistory(num) {
    document.getElementById("history-value").innerText = num;
}
function getOutput() {
    return document.getElementById("output-value").innerText;
}
function printOutput(num) {
    document.getElementById("output-value").innerText = num;
}
var lst = ["%", "/", "+", "-", "*"];
var f = false;
var operator = document.getElementsByClassName("number");

for (var i = 0; i < operator.length; i++) {
    operator[i].addEventListener("click", function () {
        if (this.id == "clear") {
            printHistory("");
            printOutput("");
        } else if (this.id == "backspace") {
            var output = getOutput();
            if (output) {
                //if output has a value
                output = output.substring(0, output.length - 1);
                //output = output;
                printOutput(output);
            }
        } else if (this.id == "=") {
            try {
                var output = getOutput();

                if (output == "NaN" || output == "" || f) {
                    f = false;
                    printOutput("");
                    printHistory("");
                } else {
                    var outpu = eval(output);
                    // print(outpu);
                    if (outpu == undefined) {
                        outpu = "NaN";
                        output = "";
                    }
                    f = true;
                    printOutput(outpu);
                    printHistory(output);
                }
            }
        }
    });
}

```

```

    } catch (error) {
        outpu = "NaN";
        output = "";
        f = true;
        printOutput(output);
        printHistory(output);
    }
} else {
    var output = getOutput().toString();
    //console.log(lst[1] == this.id);
    if (output.length == 0 && lst.includes(this.id)) {
        printOutput("");
        printHistory("");
        f = false;
    } else {
        if (f || output == "NaN") {
            if (!lst.includes(this.id)) {
                output = this.id;
                printHistory("");
            } else {
                output = output + this.id.toString();
            }
            f = false;
        } else {
            if (output.length > 0) output = output + this.id.toString();
            else output = this.id;
        }
        console.log(output);

        printOutput(output);
    }
}
});
}

```