

NAME ➔ Nitish Ghormade

Branch ➔ Cyber Security

Year ➔ First Year

Section ➔ D3

Practical 4

AIM ➔ Design a calculator to perform basic mathematical operations using Java Script. Add two buttons Clear, +/- (to represent positive and negative number).

CODE ➔

➔ HTML CODE

```
<html>

<head>

<title>Calculator By Nitish</title>

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

<head>


<body>

<h1>Online Calculator</h1>
```

```
<div class="Mcontainer">  
  
<div class="type">  
  
<input type="text" id="panel" placeholder="0" >  
  
</div>
```

```
<div class="containbtn">  
  
<div class="containerabtn">  
  
<button onclick="allclear()" >AC</button>  
  
<button onclick="inv()" >+/-</button>  
  
<button onclick="del()" >del</button>  
  
<button onclick="math('/')" >/</button>  
  
</div>
```

```
<div class="containerabtn">  
  
<button onclick="math('7')" >7</button>  
  
<button onclick="math('8')" >8</button>  
  
<button onclick="math('9')" >9</button>  
  
<button onclick="math('*')" >*</button>  
  
</div>
```

```
<div class="containerabtn">  
  
<button onclick="math('4')" >4</button>  
  
<button onclick="math('5')" >5</button>  
  
<button onclick="math('6')" >6</button>
```

<button onclick="math('-')" >-</button>

</div>

<div class="containerabtn">

<button onclick="math('1')" >1</button>

<button onclick="math('2')" >2</button>

<button onclick="math('3')" >3</button>

<button onclick="math('+')" >+</button>

</div>

<div class="containerabtn">

<button onclick="math('00')" >00</button>

<button onclick="math('0')" >0</button>

<button onclick="math('.')" >.</button>

<button onclick="eq()" >=</button>

</div>

</div>

</div>

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

</body>

</html>

➔ CSS CODE

```
h1 {  
  text-align:center;  
}
```

```
.Mcontainer {  
  background-color:cyan;  
  border: 2px solid red;  
  width: 416px;  
  height: 567px;  
  margin:auto;  
  border-radius:20px;  
  background-color:#701010;  
}
```

```
.containbtn {  
  border:2px solid red;  
  border-radius:20px;  
  margin:8px;  
  height:435px;  
  background-color: #482f2f;  
}
```

```
.containerabtn {  
  margin: 8px;  
  padding: 7px;  
  display: flex;  
}
```

```
.containerabtn button {  
  margin: 8px;  
  height: 50px;  
  width: 80px;  
  border-radius: 30px;  
  font-size: 23px;  
  cursor: pointer;  
  background-color: cyan;  
}
```

```
.type input {  
  height: 85px;  
  width: 400px;  
  border: 2px solid red;  
  border-radius: 20px;
```

```
text-align: right;

font-size: 27px;

margin: 8px;

margin-top:15px;

}
```

➔ JAVA SCRIPT CODE

```
let display = document.getElementById("panel");
```

```
function allclear() {

    display.value = "";

}
```

```
function math(n) {

    display.value += n;

}
```

```
function inv() {

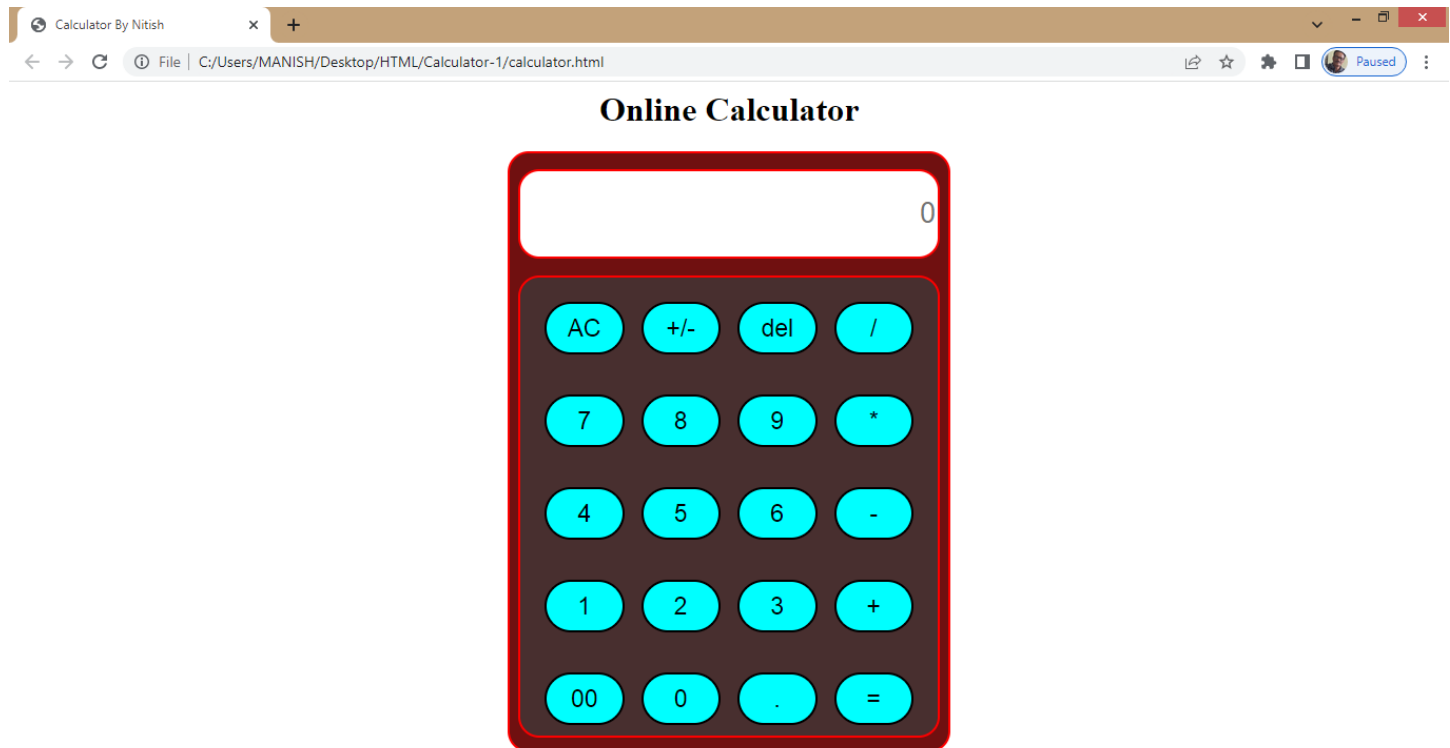
    display.value = -display.value;

}
```

```
function del(){  
    display.value = display.value.slice(0,-1);  
}
```

```
function eq() {  
    display.value = eval(display.value);  
}
```

Screenshot Of Output ➡



Conclusion ➡ I learned to input styling in the raw HTML Code through of External CSS , I learned that how to embed External Java Script means not to writing Java Script in the raw HTML Code it can be linked by <script> tag . I also learned that how to handle all three HTML , CSS and JAVA SCRIPT files at ones and to create a proper and beautiful Web Page.