|  |  |
| --- | --- |
| Name : Darrel S. Jabonillo | Section : BSIT 3C |
| Assignment No : 1 | Submission Date : March 16, 2024 |
| Assignment Title: Calculator | |

**Code :**

**HTML FILE**

<!DOCTYPE html>

<html lang="en" dir="ltr">

<head>

<meta charset="utf-8">

<title>Calculator using HTML, CSS and JavaScript</title>

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

</head>

<body>

<table class="calculator" >

<tr>

<td colspan="3"> <input class="display-box" type="text" id="result" disabled /> </td>

<td> <input type="button" value="C" onclick="clearScreen()" id="btn" /> </td>

</tr>

<tr>

<td> <input type="button" value="1" onclick="display('1')" /> </td>

<td> <input type="button" value="2" onclick="display('2')" /> </td>

<td> <input type="button" value="3" onclick="display('3')" /> </td>

<td> <input type="button" value="/" onclick="display('/')" /> </td>

</tr>

<tr>

<td> <input type="button" value="4" onclick="display('4')" /> </td>

<td> <input type="button" value="5" onclick="display('5')" /> </td>

<td> <input type="button" value="6" onclick="display('6')" /> </td>

<td> <input type="button" value="-" onclick="display('-')" /> </td>

</tr>

<tr>

<td> <input type="button" value="7" onclick="display('7')" /> </td>

<td> <input type="button" value="8" onclick="display('8')" /> </td>

<td> <input type="button" value="9" onclick="display('9')" /> </td>

<td> <input type="button" value="+" onclick="display('+')" /> </td>

</tr>

<tr>

<td> <input type="button" value="." onclick="display('.')" /> </td>

<td> <input type="button" value="0" onclick="display('0')" /> </td>

<td> <input type="button" value="=" onclick="calculate()" id="btn" /> </td>

<td> <input type="button" value="\*" onclick="display('\*')" /> </td>

</tr>

</table>

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

</body>

</html>

**JS FILE**

function clearScreen() {

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

}

function display(value) {

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

}

function calculate() {

var p = document.getElementById("result").value;

var q = eval(p);

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

}

**CSS FILE**

.calculator {

padding: 10px;

border-radius: 1em;

height: 580px;

width: 400px;

margin: auto;

background-color: #3e4783;

box-shadow: rgba(27, 22, 48, 0.19) 0px 10px 20px, rgba(0, 0, 0, 0.23) 0px 6px 6px;

}

.display-box {

font-family: 'Orbitron', sans-serif;

background-color: #dcdbe1;

border: solid black 0.5px;

color: black;

border-radius: 5px;

width: 100%;

height: 65%;

}

#btn {

background-color: #0fbb09;

}

#btn:hover {

background-color: #bb0909;

}

input[type=button] {

font-family: 'Orbitron', sans-serif;

background-color: #f3f03a;

color: rgb(0, 0, 0);

border: solid black 0.5px;

width: 100%;

border-radius: 50%;

height: 75%;

outline: none;

font-size: 50px;

}

input:active[type=button] {

background: #2cb6f7;

-webkit-box-shadow: inset 0px 0px 5px #c1c1c1;

-moz-box-shadow: inset 0px 0px 5px #c1c1c1;

box-shadow: inset 0px 0px 5px #c1c1c1;

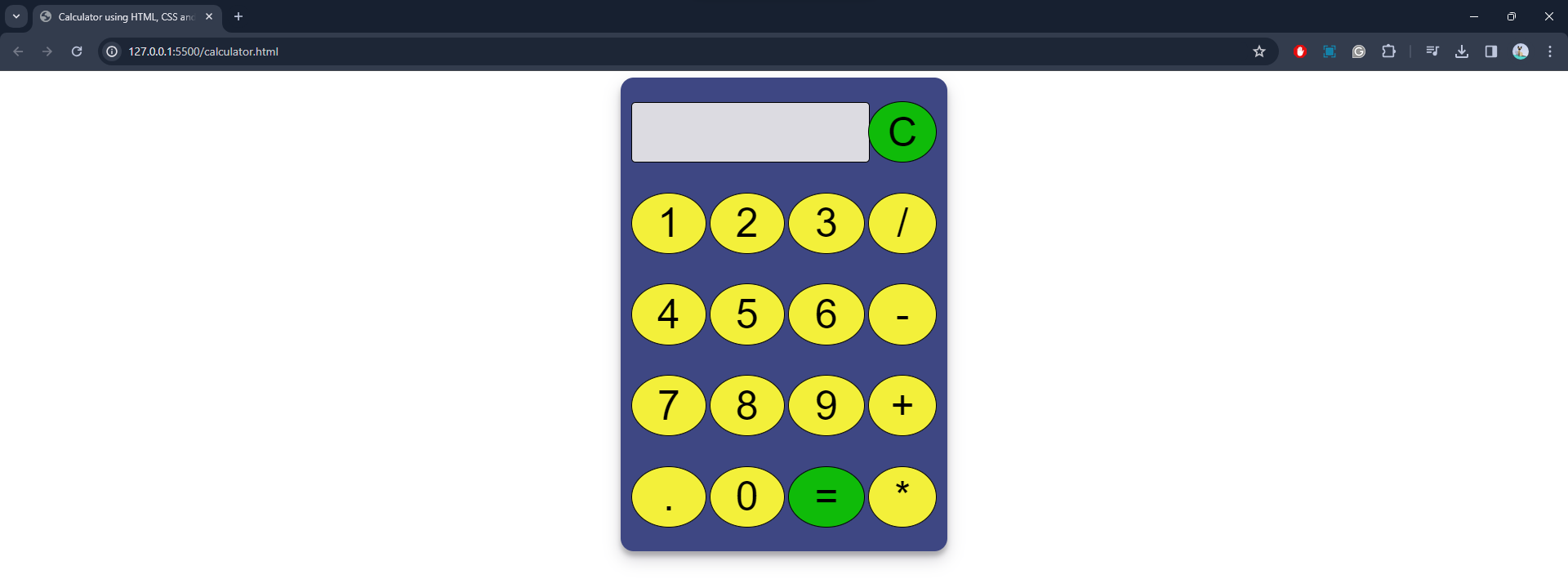
}

input:hover[type=button] {

background: #e5e5e5;

}

**SCREENSHOT**

****

****

**Dictionary:**

**btn** – Button

**var** – Variable

**eval** - evaluates or executes an argument