**CODESOFT TASK – 3**

CALCULATOR

Project Code:

HTML:

<!DOCTYPE html>

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

<head>

  <meta charset="utf-8">

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

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

</head>

<body>

  <br><br><br><br>

 <h1 align="center">SIMPLE CALCULATOR</h1>

<table class="calculator" >

  <tr>

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

    <!-- clearScreen() function clears all the values -->

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

  </tr>

  <tr>

    <!-- display() function displays the value of clicked button -->

    <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>

    <!-- calculate() function evaluates the mathematical expression -->

    <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>

CSS:

.calculator {

    padding: 10px;

    border-radius: 1em;

    height: 380px;

    width: 400px;

    margin: auto;

    background-color: #5c5b5a;

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

}

body{

    background: linear-gradient(rgba(197, 164, 148, 0.7),rgba(197, 164, 148, 0.7)), url("https://png.pngtree.com/background/20210712/original/pngtree-cute-hand-drawn-style-mathematics-education-pink-plaid-background-picture-image\_1176966.jpg");

    background-size: cover;

    display: flex;

    flex-direction: column;

}

h1 {

    color: #000000;

    font-family: 'Times New Roman';

    font-size: 2.0rem;

    }

.display-box {

    font-family: 'Franklin Gothic';

    background-color: #dcdbe1;

    border: solid black 0.5px;

    color: black;

    border-radius: 5px;

    width: 100%;

    height: 65%;

}

#btn {

    background-color: #f6b98a;

}

input[type=button] {

    font-family: 'Franklin Gothic';

    background-color: #D98586;

    color: rgb(2, 2, 2);

    border: solid black 0.5px;

    width: 100%;

    border-radius: 5px;

    height: 70%;

    outline: none;

}

input:active[type=button] {

    background: #e5e5e5;

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

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

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

}

JAVA SCRIPT:

function clearScreen() {

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

}

// This function displays the values

function display(value) {

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

}

// This function evaluates the expression and returns the result

function calculate() {

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

    var q = eval(p);

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

}

OUTPUT:

