Javascript II Tutorial 20001835 Thamuditha P V G S

1.

Javascript code

document.getElementById("submit-btn").addEventListener("click", function () {

    var nameValue = document.getElementById("name").value;

    var hometownValue = document.getElementById("hometown").value;

    alert("Name : " + nameValue + "\nHometown : " + hometownValue);

});

HTML code

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

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

    <title>Form (Question01)</title>

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNl/vI1Bx" crossorigin="anonymous">

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

</head>

<body>

    <div class="row align-items-center">

        <div class="container-fluid col-4" id="form">

            <form action="index.html">

                <div class="input-div">

                    <label for="name" class="form-label">Name:</label>

                    <input type="text" class="form-control" id="name" placeholder="Insert a name..">

                </div>

                <div class="input-div">

                    <label for="hometown" class="form-label">Hometown:</label>

                    <input type="text" class="form-control" id="hometown" placeholder="Insert home town..">

                </div>

                <div>

                    <button type="submit" class="btn btn-primary mb-3 btn-success" id="submit-btn">click</button>

                </div>

            </form>

        </div>

    </div>

    <script src="index.js" async defer></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0jrRAoQmDKKtQBHUuLZ9AsSv4jD4Xa"

        crossorigin="anonymous"></script>

</body>

</html>

CSS code

body {

    align-content: center;

}

div.row {

    position: absolute;

    margin: 0;

    padding: 0;

    top: 0;

    left: 0;

    height: 100%;

    width: 100%;

}

div {

    padding: 5px;

}

#form {

    padding: auto;

    margin: auto;

    vertical-align: middle;

    background-color: #f5f5f5;

    border-radius: 5px;

}

.input-div {

    margin: 5px;

}

.custom-btn {

    background-color: green;

}

2.

Javascript code

const d = new Date();

let time = "Now the time is " + (d.getHours() - 12) + ":" + d.getMinutes() + ":" + d.getSeconds();

let remainingtime = (23 - d.getHours()) + " Hours and " + (59 - d.getMinutes()) + " Minutes more";

if (d.getHours() >= 12) {

    time += " p.m.";

} else {

    time += " a.m.";

}

document.getElementById("time").innerHTML = time;

document.getElementById("submit-btn").innerHTML = remainingtime;

HTML code

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

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

    <title>Time (Question02)</title>

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNl/vI1Bx" crossorigin="anonymous">

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

</head>

<body>

    <div class="row align-items-center">

        <div class="container-fluid col-4" id="form">

            <form action="index.html">

                <div class="input-div">

                    <p id="time"></p>

                </div>

                <div>

                    <label for="submit-btn">to refresh:</label>

                    <button type="submit" class="btn btn-primary mb-3 btn-success" id="submit-btn">click</button>

                </div>

            </form>

        </div>

    </div>

    <script src="index.js" async defer></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0jrRAoQmDKKtQBHUuLZ9AsSv4jD4Xa"

        crossorigin="anonymous"></script>

</body>

</html>

CSS code

body {

    align-content: center;

}

div.row {

    position: absolute;

    margin: 0;

    padding: 0;

    top: 0;

    left: 0;

    height: 100%;

    width: 100%;

}

div {

    padding: 5px;

}

#form {

    padding: auto;

    margin: auto;

    vertical-align: middle;

    background-color: #f5f5f5;

    border-radius: 5px;

}

.input-div {

    margin: 5px;

}

.custom-btn {

    background-color: green;

}

3.

Javascript code

document.getElementById("submit-btn").addEventListener("click", function () {

    var nameValue = document.getElementById("name").value;

    var birthday = document.getElementById("birthday").value;

    var d = new Date(birthday);

    var currd = new Date();

    var age = currd.getFullYear() - d.getFullYear();

    alert(nameValue + "'s age is " + age + " Years");

});

HTML code

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

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

    <title>Age(Question03)</title>

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNl/vI1Bx" crossorigin="anonymous">

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

</head>

<body>

    <div class="row align-items-center">

        <div class="container-fluid col-4" id="form">

            <form action="index.html">

                <div class="input-div">

                    <label for="name" class="form-label">Name:</label>

                    <input type="text" class="form-control" id="name" placeholder="Insert a name..">

                </div>

                <div class="input-div">

                    <label for="birthday" class="form-label">Birthday:</label>

                    <input type="date" class="form-control" id="birthday" placeholder="Insert birthday..">

                </div>

                <div>

                    <button type="submit" class="btn btn-primary mb-3 btn-success" id="submit-btn">calculate</button>

                </div>

            </form>

        </div>

    </div>

    <script src="index.js" async defer></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0jrRAoQmDKKtQBHUuLZ9AsSv4jD4Xa"

        crossorigin="anonymous"></script>

</body>

</html>

CSS code

body {

    align-content: center;

}

div.row {

    position: absolute;

    margin: 0;

    padding: 0;

    top: 0;

    left: 0;

    height: 100%;

    width: 100%;

}

div {

    padding: 5px;

}

#form {

    padding: auto;

    margin: auto;

    vertical-align: middle;

    background-color: #f5f5f5;

    border-radius: 5px;

}

.input-div {

    margin: 5px;

}

.custom-btn {

    background-color: green;

}

4.

Javascript code

document.getElementById("submit-btn").addEventListener("click", function () {

    var height = document.getElementById("height").value;

    var width = document.getElementById("width").value;

    var area = "Area of the rectangle is " + (height \* width) + " cm<sup>2</sup>";

    document.getElementById("answer").innerHTML = area;

});

HTML code

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

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

    <title>Area (Question04)</title>

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNl/vI1Bx" crossorigin="anonymous">

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

</head>

<body>

    <div class="row align-items-center">

        <div class="container-fluid col-4" id="form">

            <form action="#">

                <div class="input-div">

                    <label for="width" class="form-label">Width:</label>

                    <input type="number" class="form-control" id="width" placeholder="Insert width in cm..">

                </div>

                <div class="input-div">

                    <label for="height" class="form-label">Height:</label>

                    <input type="number" class="form-control" id="height" placeholder="Insert height in cm..">

                </div>

                <div>

                    <button type="submit" class="btn btn-primary mb-3 btn-success" id="submit-btn">Find Area</button>

                    <p id="answer"></p>

                </div>

            </form>

        </div>

    </div>

    <script src="index.js" async defer></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0jrRAoQmDKKtQBHUuLZ9AsSv4jD4Xa"

        crossorigin="anonymous"></script>

</body>

</html>

CSS code

body {

    align-content: center;

}

div.row {

    position: absolute;

    margin: 0;

    padding: 0;

    top: 0;

    left: 0;

    height: 100%;

    width: 100%;

}

div {

    padding: 5px;

}

#form {

    padding: auto;

    margin: auto;

    vertical-align: middle;

    background-color: #f5f5f5;

    border-radius: 5px;

}

.input-div {

    margin: 5px;

}

.custom-btn {

    background-color: green;

}

5.

Javascript code

document.getElementById("submit-btn").addEventListener("click", function () {

    this.classList.toggle("btn-success");

});

HTML code

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

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

    <title>change colour(Question05)</title>

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNl/vI1Bx" crossorigin="anonymous">

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

</head>

<body>

    <div class="row align-items-center">

        <div class="container-fluid col-4" id="form">

            <form action="#">

                <div>

                    <h1>Purchase your item</h1>

                </div>

                <div class="input-div alternate" style="color: #0000FF ;">

                    Free trial

                </div>

                <div class="input-div">

                    <p>help you to design</p>

                    <p>provide security</p>

                    <p>manage your plans</p>

                </div>

                <div class="alternate">

                    <button type="submit" class="btn btn-primary mb-3 btn-success" id="submit-btn">Try it now</button>

                </div>

            </form>

        </div>

    </div>

    <script src="index.js" async defer></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0jrRAoQmDKKtQBHUuLZ9AsSv4jD4Xa"

        crossorigin="anonymous"></script>

</body>

</html>

CSS code

body {

    align-content: center;

}

div.row {

    position: absolute;

    margin: 0;

    padding: 0;

    top: 0;

    left: 0;

    height: 100%;

    width: 100%;

}

div {

    padding: 5px;

}

.alternate {

    padding: 5px;

    background-color: #BEBEBE;

}

div.col-4 {

    padding: 0;

    margin: 0;

}

#form {

    padding: auto;

    margin: auto;

    vertical-align: middle;

    background-color: #f5f5f5;

    border-radius: 5px;

}

.input-div {

    margin: 0;

}

6.

Javascript code

document.getElementById("submit-btn").addEventListener("click", function () {

    var num = document.getElementById("num").value;

    if (num < 0) {

        alert("No roots for negative numbers");

    }

    else {

        alert("Root is " + Math.sqrt(num));

    }

});

HTML code

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

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

    <title>Root (Question06)</title>

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNl/vI1Bx" crossorigin="anonymous">

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

</head>

<body>

    <div class="row align-items-center">

        <div class="container-fluid col-4" id="form">

            <form action="#">

                <div class="input-div">

                    <label for="num" class="form-label">Insert the number:</label>

                    <input type="number" class="form-control" id="num" placeholder="Insert the number..">

                </div>

                <div>

                    <button type="submit" class="btn btn-primary mb-3 btn-success" id="submit-btn">Find Root</button>

                    <p id="answer"></p>

                </div>

            </form>

        </div>

    </div>

    <script src="index.js" async defer></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0jrRAoQmDKKtQBHUuLZ9AsSv4jD4Xa"

        crossorigin="anonymous"></script>

</body>

</html>

CSS code

body {

    align-content: center;

}

div.row {

    position: absolute;

    margin: 0;

    padding: 0;

    top: 0;

    left: 0;

    height: 100%;

    width: 100%;

}

div {

    padding: 5px;

}

#form {

    padding: auto;

    margin: auto;

    vertical-align: middle;

    background-color: #f5f5f5;

    border-radius: 5px;

}

.input-div {

    margin: 5px;

}

.custom-btn {

    background-color: green;

}

7.

Javascript code

var inputs = document.getElementsByTagName("input");

var labels = document.getElementsByTagName("label");

console.log(inputs);

for (let input of inputs) {

    input.addEventListener("click", function () {

        for (let element of inputs) {

            if (element != this) {

                element.toggleAttribute("disabled");

                for (let label of element.labels) {

                    label.classList.toggle("disabled");

                }

            }

        }

    })

}

HTML code

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

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

    <title>Checkbox (Question07)</title>

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNl/vI1Bx" crossorigin="anonymous">

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

</head>

<body>

    <div class="row align-items-center">

        <div class="container-fluid col-4" id="form">

            <form action="index.html">

                <div>

                    <p> <strong> Available Hotel Packages </strong></p>

                </div>

                <div class="input-div">

                    <input type="checkbox" id="wedpck">

                    <label for="wedpck" class="form-label">Wedding Packages</label>

                </div>

                <div class="input-div">

                    <input type="checkbox" id="bdaypck">

                    <label for="bdaypck" class="form-label">Birthday Packages</label>

                </div>

                <div class="input-div">

                    <input type="checkbox" id="nfunpck">

                    <label for="nfunpck" class="form-label">Normal Function Packages</label>

                </div>

                <div class="input-div">

                    <input type="checkbox" id="doutpck">

                    <label for="doutpck" class="form-label">Day Out Packages</label>

                </div>

                <div>

                    <button type="submit" class="btn btn-primary mb-3 btn-success" id="submit-btn">Submit</button>

                </div>

            </form>

        </div>

    </div>

    <script src="index.js" async defer></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0jrRAoQmDKKtQBHUuLZ9AsSv4jD4Xa"

        crossorigin="anonymous"></script>

</body>

</html>

CSS code

body {

    align-content: center;

}

div.row {

    position: absolute;

    margin: 0;

    padding: 0;

    top: 0;

    left: 0;

    height: 100%;

    width: 100%;

}

div {

    padding: 5px;

}

#form {

    padding: auto;

    margin: auto;

    vertical-align: middle;

    background-color: #f5f5f5;

    border-radius: 5px;

}

.input-div {

    margin: 5px;

}

.custom-btn {

    background-color: green;

}

.disabled {

    color: grey;

}

8.

Javascript code

document.getElementById("form").addEventListener("mouseout", function () {

    let num = document.getElementById("num").value;

    let disc = (num / 100) \* 20;

    let total = parseInt(num) + disc;

    console.log(total);

    document.getElementById("20%").innerHTML = "20% of value: " + disc;

    document.getElementById("total").innerHTML = "Total: " + num + " + " + disc + " = " + total;

});

HTML code

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

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

    <title>20% (Question08)</title>

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNl/vI1Bx" crossorigin="anonymous">

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

</head>

<body>

    <div class="row align-items-center">

        <div class="container-fluid col-4" id="form">

            <form action="#">

                <div class="input-div">

                    <label for="num" class="form-label">Insert the number:</label>

                    <input type="number" class="form-control" id="num" placeholder="Insert the number..">

                </div>

                <div>

                    <p id="20%"></p>

                    <p id="total"></p>

                </div>

            </form>

        </div>

    </div>

    <script src="index.js" async defer></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0jrRAoQmDKKtQBHUuLZ9AsSv4jD4Xa"

        crossorigin="anonymous"></script>

</body>

</html>

CSS code

body {

    align-content: center;

}

div.row {

    position: absolute;

    margin: 0;

    padding: 0;

    top: 0;

    left: 0;

    height: 100%;

    width: 100%;

}

div {

    padding: 5px;

}

#form {

    padding: auto;

    margin: auto;

    vertical-align: middle;

    background-color: #f5f5f5;

    border-radius: 5px;

}

.input-div {

    margin: 5px;

}

.custom-btn {

    background-color: green;

}

9.

Javascript code

document.getElementById("submit-btn").addEventListener("click", function () {

    var subject = document.getElementById("subject").value;

    var marks = document.getElementById("marks").value;

    var obj = document.getElementById("answer");

    if (marks >= 50) {

        obj.innerHTML = "Congratulations! you have passed <strong>" + subject + "</strong> subject";

    }

    else {

        obj.innerHTML = "Sorry! Tou have to work hard for <strong>" + subject + "</strong> subject";

    }

});

HTML code

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

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

    <title>Area (Question04)</title>

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNl/vI1Bx" crossorigin="anonymous">

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

</head>

<body>

    <div class="row align-items-center">

        <div class="container-fluid col-4" id="form">

            <form action="#">

                <div class="input-div">

                    <label for="subject" class="form-label">Subject:</label>

                    <input type="text" class="form-control" id="subject" placeholder="Insert name..">

                </div>

                <div class="input-div">

                    <label for="marks" class="form-label">Marks:</label>

                    <input type="number" class="form-control" id="marks" placeholder="Insert mark">

                </div>

                <div>

                    <button type="submit" class="btn btn-primary mb-3 btn-danger" id="submit-btn">Find Area</button>

                    <p id="answer"></p>

                </div>

            </form>

        </div>

    </div>

    <script src="index.js" async defer></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0jrRAoQmDKKtQBHUuLZ9AsSv4jD4Xa"

        crossorigin="anonymous"></script>

</body>

</html>

CSS code

body {

    align-content: center;

}

div.row {

    position: absolute;

    margin: 0;

    padding: 0;

    top: 0;

    left: 0;

    height: 100%;

    width: 100%;

}

div {

    padding: 5px;

}

#form {

    padding: auto;

    margin: auto;

    vertical-align: middle;

    background-color: #f5f5f5;

    border-radius: 5px;

}

.input-div {

    margin: 5px;

}

.custom-btn {

    background-color: green;

}

10.

Javascript code

const display = document.getElementById("display");

const keys = document.getElementsByClassName("key");

var expression = "";

var answer = "";

console.log(keys);

function displayExp(exp) {

    display.innerHTML = exp;

}

for (let key of keys) {

    if (key.innerHTML == "=") { //for "="

        key.addEventListener("click", function () {

            answer = eval(expression);

            expression = "";

            displayExp(answer);

        })

        continue;

    }

    else if (key.innerHTML == "AC") { //for "AC"

        key.addEventListener("click", function () {

            expression = "";

            display.innerHTML = "0";

        })

        continue;

    }

    else if (isNaN(key.innerHTML)) { //for "operators"

        key.addEventListener("click", function () {

            if (answer != "" && expression == "") {

                expression = answer;

                expression += key.innerHTML;

                displayExp(expression);

            }

            else {

                expression += key.innerHTML;

                displayExp(expression);

            }

        })

        continue;

    }

    //for numbers

    key.addEventListener("click", function () {

        if (answer != "" && expression == "") {

            expression = "";

            expression += key.innerHTML;

            displayExp(expression);

        }

        else {

            expression += key.innerHTML;

            displayExp(expression);

        }

    })

}

HTML code

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

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

    <title>Area (Question04)</title>

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNl/vI1Bx" crossorigin="anonymous">

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

</head>

<body>

    <div class="row">

        <div class="container-fluid" id="form">

            <div class="display" id="display">0</div>

            <div class="keys">

                <div class="operator-keys key">+</div>

                <div class="operator-keys key">-</div>

                <div class="operator-keys key">\*</div>

                <div class="operator-keys key">/</div>

                <div class="key">1</div>

                <div class="key">2</div>

                <div class="key">3</div>

                <div class="key">4</div>

                <div class="key">5</div>

                <div class="key">6</div>

                <div class="key">7</div>

                <div class="key">8</div>

                <div class="key">9</div>

                <div class="key">0</div>

                <div class="key">.</div>

                <div class="key">AC</div>

                <div class="equal-key key">=</div>

            </div>

        </div>

    </div>

    <script src="index.js" async defer></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0jrRAoQmDKKtQBHUuLZ9AsSv4jD4Xa"

        crossorigin="anonymous"></script>

</body>

</html>

CSS code

body {

    align-content: center;

}

div.row {

    position: absolute;

    margin: 0;

    padding: 0;

    top: 0;

    left: 0;

    height: 100%;

    width: 100%;

}

div {

    padding: 5px;

    background-color: white;

    border-width: em;

    border-color: black;

}

#form {

    padding: auto;

    margin: auto;

    vertical-align: middle;

    background-color: #f5f5f5;

    border-radius: 5px;

    max-width: 20em;

}

.input-div {

    margin: 5px;

}

.custom-btn {

    background-color: green;

}

.display {

    background-color: black;

    color: white;

    text-align: right;

    margin: auto;

    padding: 0.5em 0.75em;

}

.operator-keys {

    background-color: #eee;

    padding: 0.5em 1.25em;

}

.keys {

    display: grid;

    grid-gap: 1px;

    grid-template-columns: repeat(4, 1fr);

    text-align: center;

}

.equal-key {

    grid-column: -2;

    grid-row: 2/span 4;

    background-color: orangered;

    text-align: center;

    display: table-cell;

    vertical-align: middle;

    padding: auto;

}

.key:hover {

    opacity: 60%;

}