**Practical-2**

* **AIM:-** Create a Basic Calculator using prompt

**Source Code:-**

const prompt = require('prompt-sync')();

function add(num1, num2){

    return num1 + num2

}

function subtraction(num1, num2){

    return num1 - num2

}

function mul(num1, num2){

    return num1 \* num2

}

function divison(num1, num2){

    if(num1 == 0){

        return num1 / num2

    }

    return num2 / num2

}

function mod(num1, num2){

    return num1 % num2

}

let ch = prompt('Enter the operation that you have to do in basic calculator:')

let num1 = Number(prompt('Enter the first number:'))

let num2 = Number(prompt('Enter the second number:'))

if(ch == '+'){

    console.log(add(num1, num2))

}else if(ch == '-'){

    console.log(subtraction(num1, num2))

}else if(ch == '\*'){

    console.log(mul(num1, num2))

}else if(ch == '/'){

    console.log(divison(num1, num2))

}else if(ch == '%'){

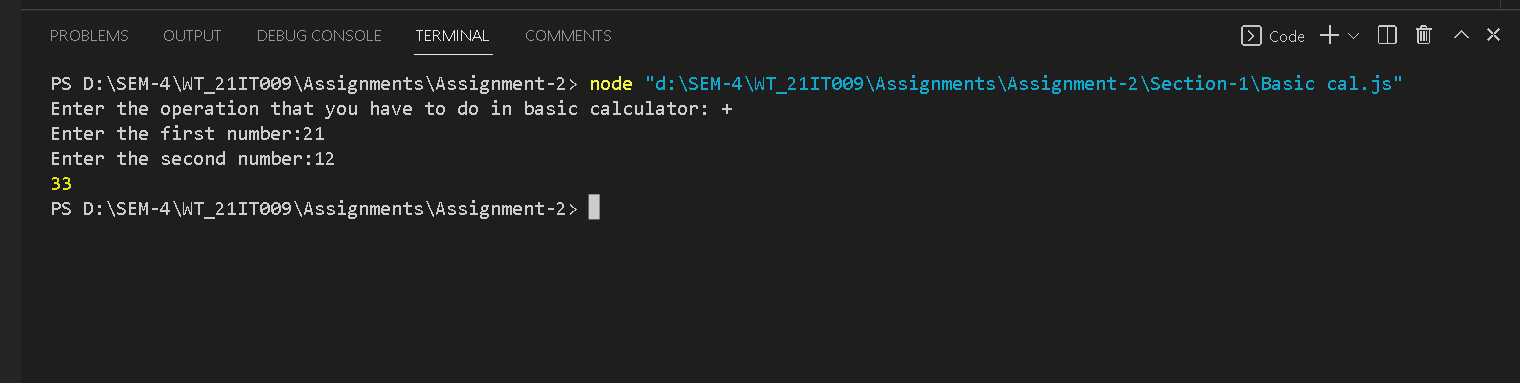
    console.log(mod(num1, num2))

}else{

    console.log('Invalid operation that you are doing!PLease run again...')

}

**Output:-**

****

**Conclusion:-**

From this practical, I learned How to take inputs in JavaScript and how to declare the function in JavaScript and how to display the output on the console.

* **AIM:-** Create a Basic Calculator using input box

**Source Code:-**

**HTML Code:-**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Basic Calculator</title>

</head>

<body>

    <form>

        <label for="Number1">Number1:</label>

        <input type="number" name="Num1" id="Num1">

        <br>

        <label for="Number2">Number2:</label>

        <input type="number" name="Num2" id="Num2">

        <br>

        <ol>

            <li><button onclick="add(document.getElementById('Num1').value,document.getElementById('Num2').value)">add</button></li>

            <li><button onclick="mul(document.getElementById('Num1').value,document.getElementById('Num2').value)">Multiplication</button></li>

            <li><button onclick="divison(document.getElementById('Num1').value,document.getElementById('Num2').value)">divide</button></li>

            <li><button onclick="subtraction(document.getElementById('Num1').value,document.getElementById('Num2').value)">subtraction</button></li>

            <li><button onclick="mod(document.getElementById('Num1').value,document.getElementById('Num2').value)">Modelus</button></li>

        </ol>

    </form>

        <script src="./Basic Calculator.js">

        </script>

</body>

</html>

**JavaScript Code:-**

// const prompt = require('prompt-sync')();

function add(Num1, Num2){

    const n1 = Number(Num1);

    const n2 = Number(Num2);

    alert(n1 + n2);

}

function subtraction(Num1, Num2){

    const n1 = Number(Num1);

    const n2 = Number(Num2);

    alert(n1 - n2);

}

function mul(Num1, Num2){

    const n1 = Number(Num1);

    const n2 = Number(Num2);

    alert(n1 \* n2);

}

function divison(Num1, Num2){

    const n1 = Number(Num1);

    const n2 = Number(Num2);

    if(n1 == 0){

        alert(n1 / n2);

    }else{

        alert(n2 / n1)

    }

}

function mod(Num1, Num2){

    const n1 = Number(Num1);

    const n2 = Number(Num2);

    alert(n1 % n2);

}

// let ch = prompt('Enter the operation that you have to do in basic calculator:')

// let num1 = Number(prompt('Enter the first number:'))

// let num2 = Number(prompt('Enter the second number:'))

// if(document.getElementById()){

//     console.log(add(num1, num2))

// }else if(ch == '-'){

//     console.log(subtraction(num1, num2))

// }else if(ch == '\*'){

//     console.log(mul(num1, num2))

// }else if(ch == '/'){

//     console.log(divison(num1, num2))

// }else if(ch == '%'){

//     console.log(mod(num1, num2))

// }else{

//     console.log('Invalid operation that you are doing!PLease run again...')

// }

**Output:-**

****

**Conclusion:-**

From this practical, I learned about HTML scripting and about how to take inputs in HTML and pass it to the JavaScript functions.

* **AIM:-** Do temperature Conversion using the input box and display the result on the Web Page. (Celsius to Fahrenheit).

**Source Code:**-

**HTML Code:-**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Convert the Temperature</title>

</head>

<body>

    <form>

        <label for="Temp">Temperature</label>

        <input type="number" name="Temperature" id="Temp" placeholder="Temperature in Celsius">

        <br>

        <button onclick="convert(document.getElementById('Temp').value)">Temperature in Fahrenheit</button>

    </form>

    <script src="Temp.js"></script>

</body>

</html>

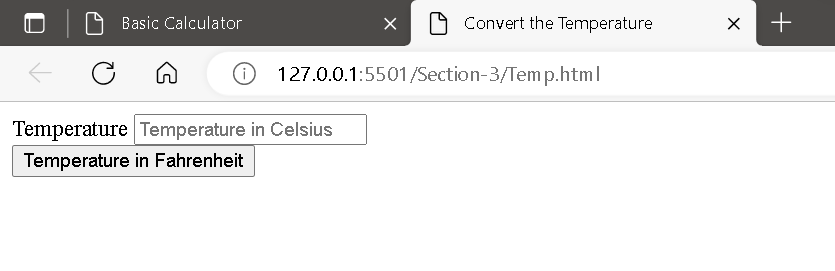
**JavaScript Code:-**

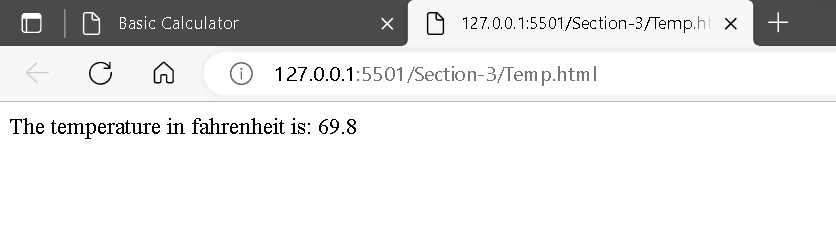
function convert(Temp){

    const f = ((Temp \* 9)/5) + 32

    document.write("The temperature in fahrenheit is: "+f)

}

**Output:-**

****

**Conclusion:-**

From this practical, I learned how to display the information on the web page and how to pass the inputs to the JavaScript functions.