

Practical-2

Aim: Create Basic Calculator using prompt.

Program:

```
<html>
<body>
<script>

const operator = prompt('Enter operator to perform the calculation ( either +, -, * or / ):
');

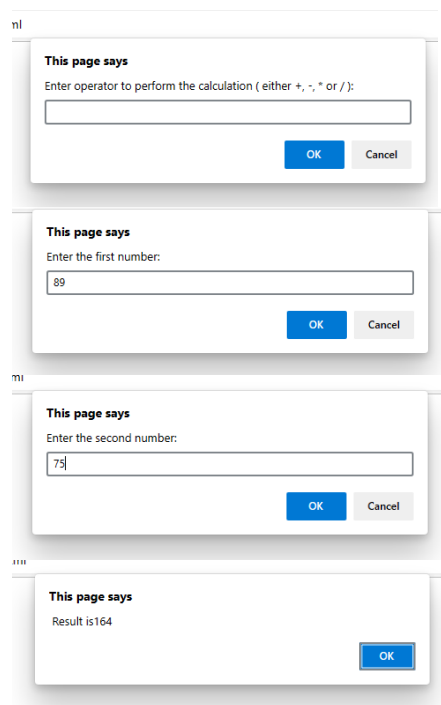
const number1 = parseFloat(prompt ('Enter the first number: '));
const number2 = parseFloat(prompt ('Enter the second number: '));

let result;

if (operator == '+') {
    result = number1 + number2;
}
else if (operator == '-') {
    result = number1 - number2;
}
else if (operator == '*') {
    result = number1 * number2;
}
else {
    result = number1 / number2;
}

window.alert(" Result is" + result);
</script>
</body>
</html>
```

Output:



Conclusion: in this practical we learn that how to create basic calculator using command prompt.

Aim: Create Basic Calculator using input box

Program:

```
<!DOCTYPE html>
<html lang = "en">
<head>
<title> JavaScript Calculator </title>

<style>
h1 {
  text-align: center;
  padding: 23px;
  background-color: rgba(196, 59, 17, 0.68);
  color: white;
}

#clear{
width: 270px;
```

```
border: 3px solid gray;
    border-radius: 3px;
    padding: 20px;
    background-color: rgb(186, 62, 40);
}

.formstyle
{
width: 300px;
height: 530px;
margin: auto;
border: 3px solid rgb(241, 240, 240);
border-radius: 5px;
padding: 20px;
}

input
{
width: 20px;
background-color: rgb(23, 23, 22);
color: white;
border: 3px solid gray;
    border-radius: 5px;
    padding: 26px;
    margin: 5px;
    font-size: 15px;
}

#calc{
width: 250px;
border: 5px solid black;
    border-radius: 3px;
    padding: 20px;
    margin: auto;
}

</style>

</head>
<body>
<h1> Calculator Program in JS </h1>
<div class= "formstyle">
<form name = "form1">
```

```

    <!-- This input box shows the button pressed by the user in calculator. --
>
<input id = "calc" type = "text" name = "answer"> <br> <br>
<!-- Display the calculator button on the screen. -->
<!-- onclick() function display the number presses by the user. -->
<input type = "button" value = "1" onclick = "form1.answer.value += '1' ">
<input type = "button" value = "2" onclick = "form1.answer.value += '2' ">
<input type = "button" value = "3" onclick = "form1.answer.value += '3' ">
    <input type = "button" value = "+" onclick = "form1.answer.value += '+'
">
    <br> <br>

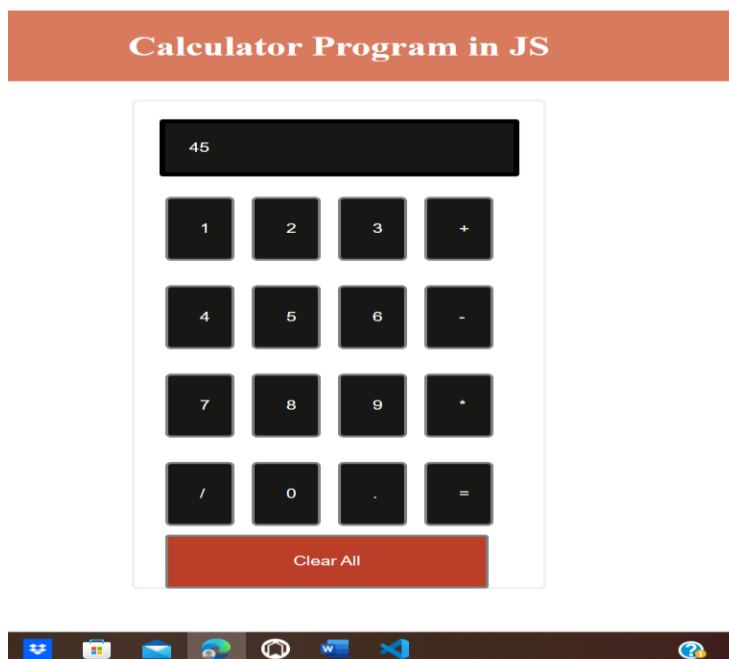
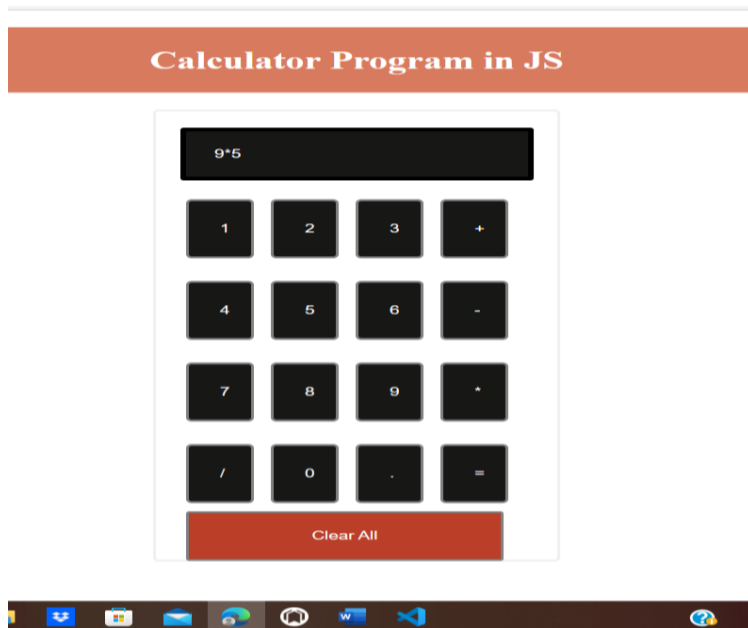
    <input type = "button" value = "4" onclick = "form1.answer.value += '4' ">
    <input type = "button" value = "5" onclick = "form1.answer.value += '5' ">
    <input type = "button" value = "6" onclick = "form1.answer.value += '6' ">
    <input type = "button" value = "-" onclick = "form1.answer.value += '-' ">
    <br> <br>

    <input type = "button" value = "7" onclick = "form1.answer.value += '7' ">
    <input type = "button" value = "8" onclick = "form1.answer.value += '8' ">
    <input type = "button" value = "9" onclick = "form1.answer.value += '9' ">
    <input type = "button" value = "*" onclick = "form1.answer.value += '*' ">
    <br> <br>

    <input type = "button" value = "/" onclick = "form1.answer.value += '/' ">
    <input type = "button" value = "0" onclick = "form1.answer.value += '0' ">
    <input type = "button" value = "." onclick = "form1.answer.value += '.'
">
    <!-- When we click on the '=' button, the onclick() shows the sum results
on the calculator screen. -->
    <input type = "button" value = "=" onclick = "form1.answer.value =
eval(form1.answer.value) ">
    <br>
    <!-- Display the Cancel button and erase all data entered by the user. -->
    <input type = "button" value = "Clear All" onclick = "form1.answer.value = '
' " id= "clear" >
    <br>

</form>
</div>
</body>
</html>

```

Output:

Conclusion: in this practical we learn that how to create basic calculator using input box in visual studio code by using JavaScript.

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

Program:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <script>
      function convertToFahrenheit() {
        var fahrenheit = 1.8 * document.getElementById("input").value + 32;

        document.getElementById("result").innerHTML = fahrenheit;
      }
    </script>
  </head>
  <body>
    <p>Enter Celsius value :</p>
    <input id="input" />
    <button onclick="convertToFahrenheit()">Convert to Fahrenheit</button>
    <p id="result"></p>
  </body>
</html>
```

Output:



Conclusion: in this practical we learn that how to do temperature Conversion using the input box and display the result on the Web Page Celsius to Fahrenheit using JavaScript.