

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:

tml

This page says

Enter operator to perform the calculation (either +, -, * or /);

OK

Cancel

nl

This page says

Enter the second number:

OK

Cancel

nl

This page says

Result is164

OK

tcalc.html

This page says

Enter the first number:

OK

Cancel

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

Aim: Create Basic Calculator using inputbox Program:

```
<!DOCTYPE html>
<html lang = "en">
<head>
<title> JavaScript Calculator </title>
  <style>    h1 {      text-align: center;
padding: 20px;      background-color:
rgb(211, 156, 255);    color: white;
    }
    #clear{    width: 270px;
border: 3px solid rgb(0, 0, 0);
border-radius: 3px;
padding: 20px;
    background-color: red;
}

.formstyle
{    width: 300px;    height:
530px;    margin: auto;    border:
3px solid rgb(0, 0, 0);    border-
radius: 5px;    padding: 20px;
}

input
{
width: 20px;    background-color: rgb(255,
54, 54);    color: white;
border: 3px solid rgb(195, 195, 195);
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</h1>
<div class= "formstyle">
<form name = "form1">

    <input id = "calc" type ="text" name = "answer"> <br> <br>
    <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>

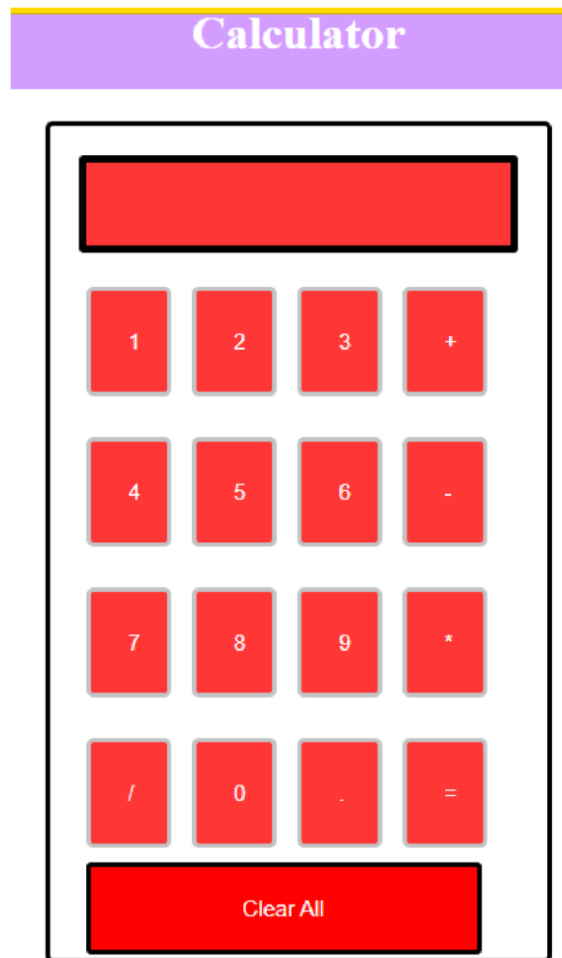
    <input type = "button" value = "/" onclick = "form1.answer.value += '/' ">
    <input type = "button" value = "0" onclick = "form1.answer.value += '0' ">
    <input type = "button" value = "." onclick = "form1.answer.value += '.' ">
    <!-- When we click on the '=' button, the onclick() shows the sum 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.

