Practical-2

Aim: Create Basic Calculator using prompt.

Create Basic Calculator using input box.

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

Source Code:

----HTML CODE----

```html
<!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>Document</title>
    <script src="../Calculator.js"></script>
</head>
<body bgcolor="skyblue">
    <h3>-----------Calculator using prompt-----------</h3>
        <select id="Calc" onchange="calct()">
            <option value="null">Select</option>
            <option value="sum">Addition</option>
            <option value="sub">Subtraction</option>
            <option value="multi">Multiplication</option>
            <option value="div">Division</option>
        </select><br>
    <div id="demo1"></div><br><br>


    <h3>-----------Calculator using textbox-----------</h3>
     <input type="text" id="val1" placeholder="1st number">  <input
type="text" id="val2" placeholder="2nd number"><br><br>
    <button id="cal1" onclick="get(value)" value="sum">Addition</button>
    <button id="cal1" onclick="get(value)" value="sub">Subtraction</button>
                <button          id="cal1"          onclick="get(value)"
value="multi">Multiplication</button>
    <button id="cal1" onclick="get(value)" value="div">Division</button>
    <div id="demo2"></div><br><br>


    <h3>-----------Temperature conversion-----------</h3>
        <input   type="text   id="data1"   placeholder="0"><button   id="b1"
onclick="temp()">Convert</button>
    <h4 id="demo3"></h4>
</body>
</html>
```
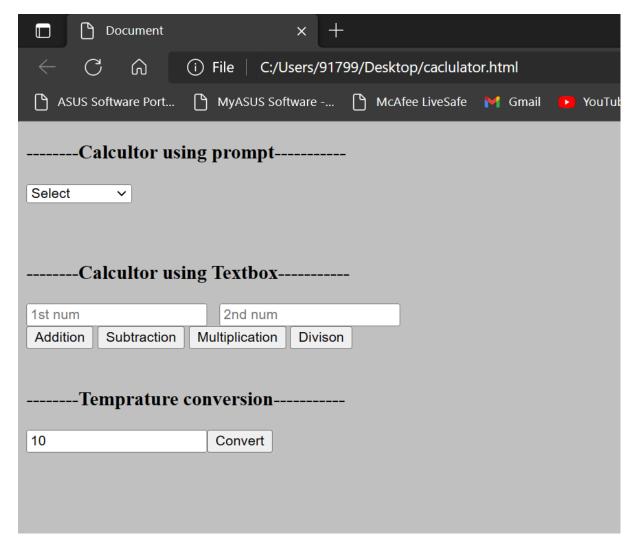
----JAVASCRIPT----

```javascript
console.log("connected")
function calct(){
    let x=document.getElementById("Calc").value;
    let a = parseInt(prompt("Enter 1st number "));
    let b = parseInt(prompt("Enter 2nd number "));
    let c = 0
    if(x=="sum")
    c = sum(a,b);
    else if(x=="sub")
    c = sub(a,b);
    else if(x=="multi")
    c = multi(a,b);
    else if(x=="div")
    c = div(a,b);
    document.getElementById("demo1").innerHTML = "Answer is: " + c;
}
function get(y){
  // let y=document.getElementById("cal1").value;
  let p = parseInt(document.getElementById("val1").value);
  let q = parseInt(document.getElementById("val2").value);
  let r = 0
  if(y=="sum"){
    r = sum(p,q);
    console.log("sum")
  }
  else if(y=="sub"){
    r = sub(p,q);
    console.log("sub")
  }
  else if(y=="multi"){
    r = multi(p,q);
    console.log("multi")
  }
  else if(y=="div"){
    r = div(p,q);
    console.log("div")
  }
  document.getElementById("demo2").innerHTML = "Answer is: " + r;
}

function sum(p1,p2) {
    let sm=p1+p2;
    return sm
  }

  function sub(p1,p2) {
    let sm=p1-p2;
    return sm
  }
```

```
function multi(p1,p2) {
  let sm=p1*p2;
  return sm
}

function div(p1,p2) {
  let sm=p1/p2;
  return sm;
}

function temp(){
  let t1 = parseFloat(document.getElementById("data1").value)
  let t2 = parseFloat((t1 * parseFloat(9/5)) + 32);
  document.getElementById("demo3").innerHTML = t2;
}
```

Output:

Conclusion: In this practical we have learned about basic of JavaScript. We have about how to link script with html. How to create function in JS and call it from html and many more.