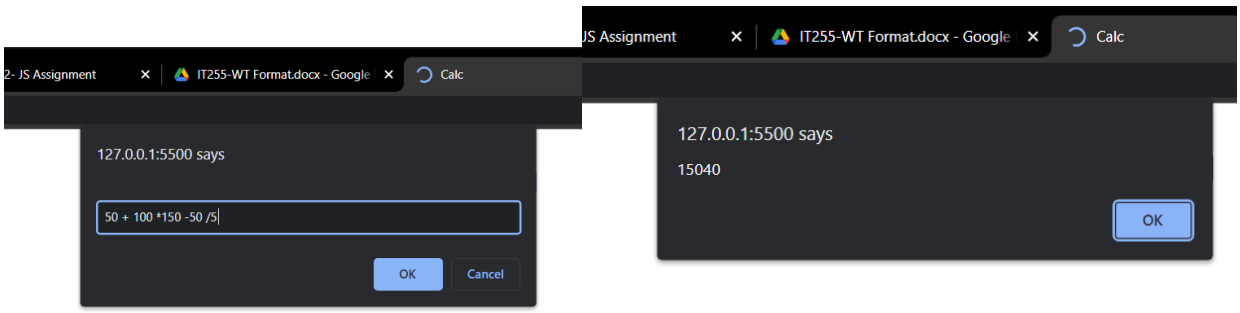
Practical – 2

1. **AIM: Create Basic Calculator using prompt**

Source Code:

```
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Calc</title>
</head>

<body>
    <script>
        let a = prompt()
        console.log(eval(a))
        alert(eval(a))
    </script>
</body>

</html>
```

Output:



Conclusion: From this program I have learned the basics of Javascript and eval function.

2. **AIM: Create Basic Calculator using inputbox**

Source Code:

Html Code

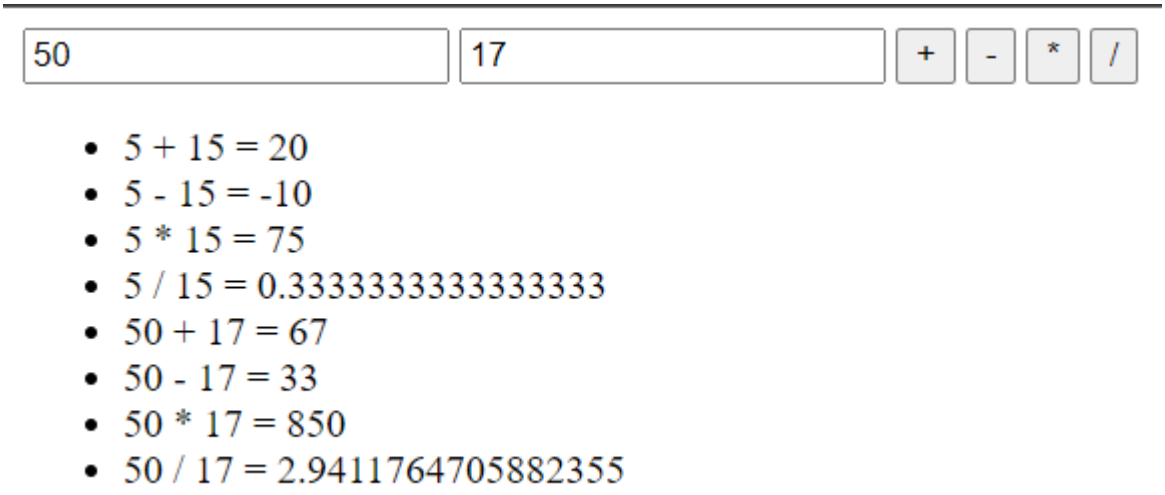
```
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Calc</title>
</head>

<body>

    <input type="number" placeholder="vlaue1" id=v1>
    <input type="number" placeholder="vlaue1" id=v2>
    <input type="button" value="+" onclick="f1('+')">
    <input type="button" value="-" onclick="f1('-')">
    <input type="button" value="*" onclick="f1('*')">
    <input type="button" value="/" onclick="f1('/')">
    <ul id="ans">

    </ul>
    <script src="calc.js"></script>
</body>

</html>
```

Js code

```
function f1(x) {
    var val1 = document.getElementById("v1");
    var val2 = document.getElementById("v2");
    var ans;
    switch (x) {
        case '+':
            ans = parseInt(val1.value) + parseInt(val2.value)
            break;
        case '-':
            ans = parseInt(val1.value) - parseInt(val2.value)
            break;
```

```
        case '*':
            ans = parseInt(val1.value) * parseInt(val2.value)
            break;
        case '/':
            ans = parseInt(val1.value) / parseInt(val2.value)
            break;
    }
    let ll = document.createElement("li");
    let t = `${val1.value} ${x} ${val2.value}  =  ${ans}`;
    let text = document.createTextNode(t);
    ll.appendChild(text);;
    document.getElementById("ans").appendChild(ll);
}
```

Output:



Conclusion: From this program I have learned the basics of Javascript and basic function of Dom.

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

Source Code:

Html Code

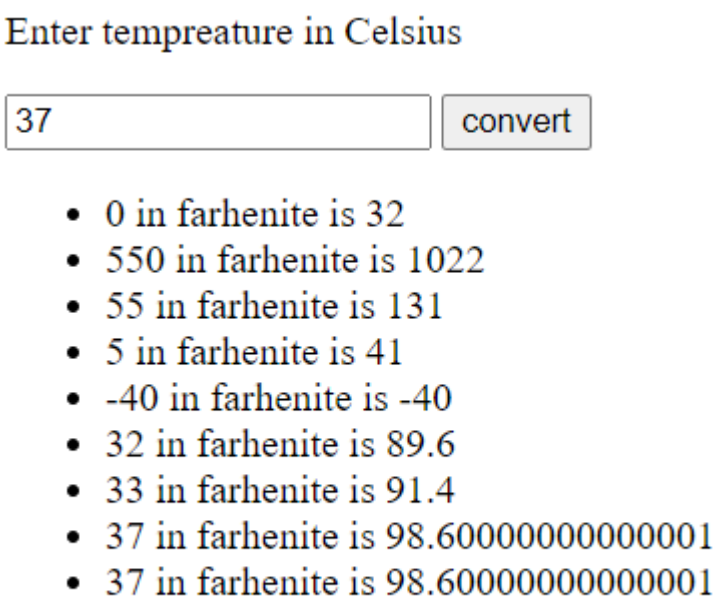
```
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Document</title>
</head>

<body>
    <p> Enter tempreature in Celsius</p>
    <input type="text" id="temp_input">
    <input type="button" value="convert" onclick="converter()">
    <ul id="id_text">

    </ul>
    <script src="./temp.js"></script>
</body>

</html>
```

Js code

```
function converter() {
    let obj = document.getElementById("temp_input")
    let temp = obj.value;
    if (isNaN(temp)) {
        obj.value = "";
        alert("Invalid Input")
    }
    let f;
    f = (temp * 1.8) + 32;
    let ll = document.createElement("li");
    let t = `${temp} in farhenite is ${f}`
    let text = document.createTextNode(t);
```

```
    ll.appendChild(text);
    document.getElementById("id_text").appendChild(ll);

}
```

Output:



Conclusion: From this program I have learned the basics of javascript and basic function of Dom.

Course Outcome: Student should able to understand the tools and technologies to design & develop static and dynamic webpages/apps.

Student should able to select appropriate hosting environment