Lab Practice -2 [404184C] : ELECTIVE-III(C) - JavaScript							
ACADEMIC YEAR: 2024-25							
CLASS	**: BE**	**DIV**	**: 6**	**Batch**	**: P6**	**DATE**	**: / /24**
Roll No	**42130**	**ABC ID**	**:**			**SEMESTER**	**: I**

Experiment No.:

Code:

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>String Comparison</title>
</head>

<body style="text-align: center">
  <h1>Compare Two Strings</h1>
  <form id="comparisonForm">
    <label for="string1">String 1:</label>
    <input type="text" id="string1" name="string1" required>
    <br><br>
    <label for="string2">String 2:</label>
    <input type="text" id="string2" name="string2" required>
    <br><br>
    <button type="button" onclick="compareStrings()">Compare</button>
  </form>
  <h2>Results:</h2>
  <p id="results"></p>

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

</html>
```
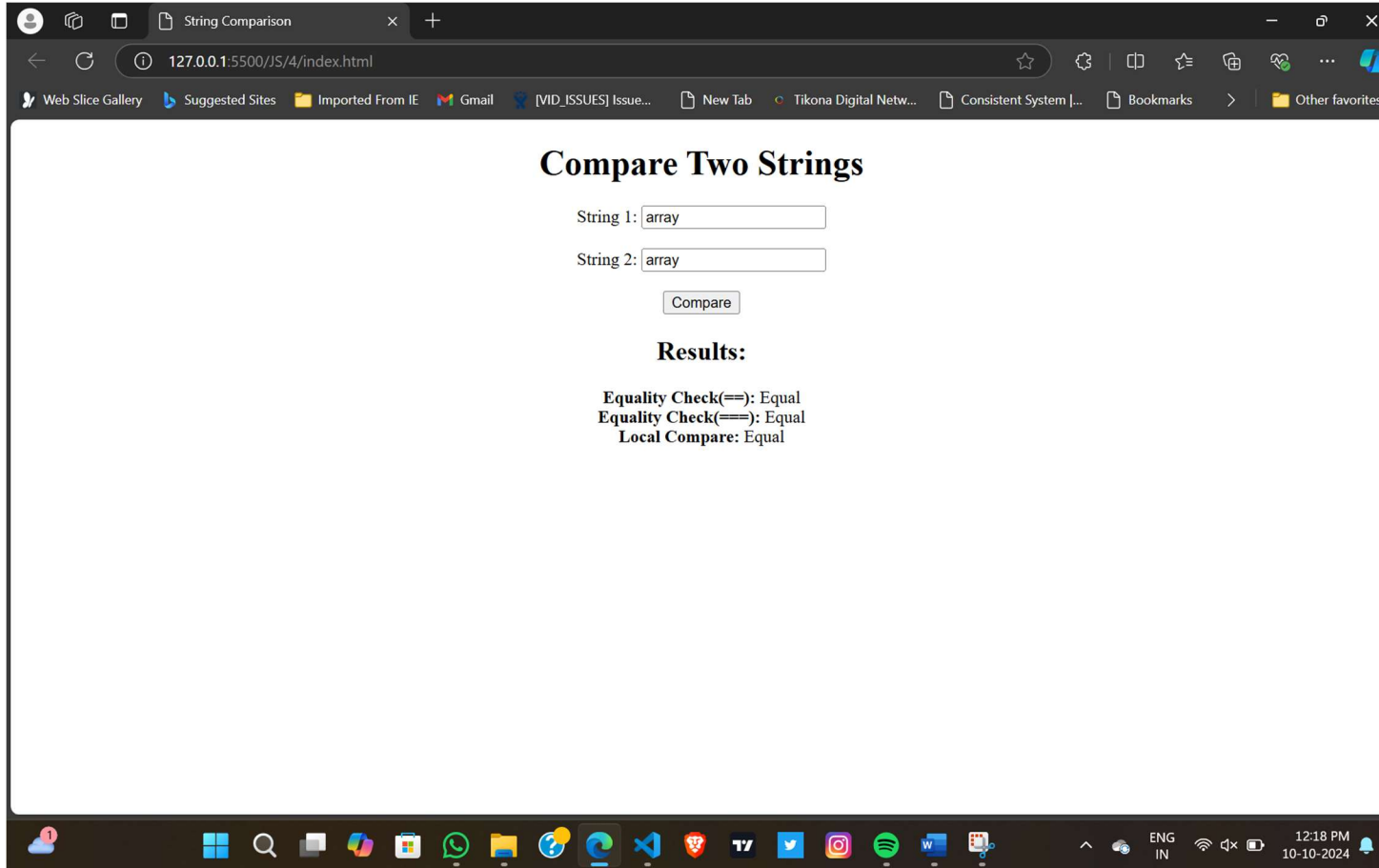
```
function compareStrings() {
 const str1 = document.getElementById("string1").value;
 const str2 = document.getElementById("string2").value;
 let result = "";

 if (str1 && str2) {

  if (str1.length === str2.length) {
   result += `<strong>Equality Check(==):</strong> ${str1 == str2 ? "Equal" : "Not Equal"}<br>`;
  } else {
```

```javascript
    result += `<strong>Equality Check(==):</strong> Lengths are different, cannot compare using ==<br>`;
  }

  result += `<strong>Equality Check(===):</strong> ${str1 === str2 ? "Equal" : "Not Equal"}<br>`;

  const localeComparison = str1.localeCompare(str2);
  if (localeComparison === 0) {
    result += `<strong>Local Compare:</strong> Equal<br>`;
  } else if (localeComparison < 0) {
    result += `<strong>Local Compare:</strong> "${str1}" comes before "${str2}"<br>`;
  } else {
    result += `<strong>Local Compare:</strong> "${str1}" comes after "${str2}"<br>`;
  }
} else {
  result += `<strong>Enter strings</strong>`;
}

document.getElementById("results").innerHTML = result;
}
```

Output: