



**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE - 411043**  
**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGG.**  
**ACADEMIC YEAR : 2022-23      SEM: 1**

CLASS : BE VIII [P8]

SUBJECT : JavaScript

EXPT. NO. : 4

Roll No.: 42410

DATE :

CODE :

**index4.html**

```
<!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>
<style>
body {
    font-family: 'Times New Roman';
    padding: 20px;
    display: flex; /* Center horizontally */
    justify-content: center; /* Center horizontally */
    align-items: center; /* Center vertically */
    min-height: 100vh; /* Center vertically */
}
#one{
    font-size: 30px;
}
#two{
    font-size: 28px;
    text-decoration: underline;
}
#container {
    max-width: 400px;
    margin: 0;
    text-align: left;
}

input[type="text"] {
    padding: 8px;
    margin-top: 10px;
    margin-right: 10px;
    font-size: 25px;
}

button {
    margin-top: 15px;
    padding: 12px 24px;
    font-size: 22px;
}
/* Center-align the text within the container */
#container {
```



```
text-align: center;
}

#ip1,
#ip2 {
    font-size: 23px;
    font-weight: bold;
}
#string1,
#string2 {
    font-size: 19px;
}
#result1,
#result2,
#result3 {
    margin-top: 20px;
    font-size: 25px;
    font-weight: bold;
}
</style>
</head>
<body>
<div id="container">
<h2 id="one">42410_Disha Chinchole</h2>
<h2 id="two">String Comparison</h2>
<label for="string1" id="ip1">String 1: </label>
<input type="text" id="string1">
<br>
<label for="string2" id="ip2">String 2: </label>
<input type="text" id="string2">
<br>
<button onclick="compareStrings()">Compare</button>
<p id="result1"></p>
<p id="result2"></p>
<p id="result3"></p>
</div>
<script src="app4.js"></script>
</body>
</html>
```

#### app4.js

```
function compareStrings() {
    const string1 = document.getElementById("string1").value;
    const string2 = document.getElementById("string2").value;
    const result1Element = document.getElementById("result1");
    const result2Element = document.getElementById("result2");
    const result3Element = document.getElementById("result3");
```



```
const strictComparison = string1 === string2;  
const strictResult = strictComparison ? 'Strings are equal' : 'Strings are not equal';  
const lengthComparison = string1.length === string2.length;  
const lengthResult = lengthComparison ? 'Strings have the same length' : 'Strings have different  
lengths';  
  
const localeComparison = string1.localeCompare(string2);  
const localeResult = localeComparison < 0 ? 'String 1 is less than String 2' :  
  
localeComparison > 0 ? 'String 1 is greater than String 2' :  
'Strings are equal';  
result1Element.innerHTML = `<span style="display: block;">Using strict equality:  
${strictResult}</span>`;  
result2Element.innerHTML = `<span style="display: block;">Using length comparison:  
${lengthResult}</span>`;  
result3Element.innerHTML = `<span style="display: block;">Using localeCompare:  
${localeResult}</span>`;  
}
```

#### OUTPUT :

