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//EXP-4

index.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 Methods</title>
    <script src="script.js"></script>
</head>
<body>
    <h1>Compare Two Strings Using Different Methods</h1>
    <label for="string1">Enter First String: </label>
    <input type="text" id="string1">
    <br><br>
    <label for="string2">Enter Second String: </label>
    <input type="text" id="string2">
    <br><br>
    <button onclick="compareStrings()">Compare</button>
    <h2>Results:</h2>
    <div id="results">
        <h3>Mathematical Operators (==)</h3>
        <p id="math-operator-result"></p>
        <h3>Strict Equality Operator (===)</h3>
        <p id="strict-equality-result"></p>
        <h3>Using match() Method</h3>
        <p id="match-method-result"></p>
        <h3>Using matchAll() Method</h3>
        <p id="match-all-method-result"></p>
        <h3>Using localeCompare() Method</h3>
```

```
        <p id="locale-compare-result"></p>
    </div>
</body>
</html>
```

script.js

```
function compareStrings() {
    const str1 = document.getElementById("string1").value;
    const str2 = document.getElementById("string2").value;

    const mathOperatorResult = (str1 == str2) ? "Matched" : "Not Matched";
    document.getElementById("math-operator-result").textContent =
mathOperatorResult;

    const strictEqualityResult = (str1 === str2) ? "Matched" : "Not
Matched";
    document.getElementById("strict-equality-result").textContent =
strictEqualityResult;

    const matchMethodResult = str1.match(str2) ? "Matched" : "Not Matched";
    document.getElementById("match-method-result").textContent =
matchMethodResult;

    const matchAllMethodResult = [...str1.matchAll(str2)].length > 0 ?
"Matched" : "Not Matched";
    document.getElementById("match-all-method-result").textContent =
matchAllMethodResult;

    const localeCompareResult = str1.localeCompare(str2) === 0 ? "Matched" :
"Not Matched";
    document.getElementById("locale-compare-result").textContent =
localeCompareResult;
}
```

OUTPUT:



Compare Two Strings Using Different Methods

Enter First String:

Enter Second String:

Results:

Mathematical Operators (==)

Matched

Strict Equality Operator (===)

Matched

Using match() Method

Matched

Using matchAll() Method

Matched

Using localeCompare() Method

Matched