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<b>Division : BE 8</b>	<b>Batch : Q8</b>
<b>Subject : Javascript</b>	<b>Date :</b>

#### Experiment 4: Compare two strings using various methods using JavaScript.

##### CODE:

##### 1. HTML

```

<!DOCTYPE html>
<html>
<script src="Expt_4.js"></script>

<center>
  <h1>String Comparison </h1>
</center>

<body>
  <center>
    <!-- LocaleCompare -->
    <h3>Using LocalCompare</h3>
    Enter First String : <input type="string" id="str11"></inputtype>
    <br><br>
    Enter Second String : <input type="string" id="str12"></inputtype>
    <br><br>
    <button onclick="compLocal()">Compare Using (Local Compare)</button>
    <br><br>
    <p id="output1"></p>
    <hr>

    <!-- RegEx -->
    <h3> Using RegEx</h3>
    Enter First String : <input type="string" id="str21"></inputtype>
    <br><br>
    Enter Second String : <input type="string" id="str22"></inputtype>
    <br><br>
    <button onclick="compRegEx()">Compare (Using RegEx)</button>
    <br><br>
    <p id="output2"></p>
    <hr>

    <!-- Length & == Operator -->
    <h3> Using Length & == Operator</h3>
    Enter First String : <input type="string" id="str31"></inputtype>
    <br><br>
    Enter Second String : <input type="string" id="str32"></inputtype>
    <br><br>
    <button onclick="compEqEq()">Compare (Using ==)</button>
    <br><br>
    <p id="output31"></p>
    <p id="output32"></p>
    <hr>

    <!-- === Operator -->
    <h3> Using === Operator</h3>
  
```

```

Enter First String : <input type="string" id="str41"></inputtype>
<br><br>
Enter Second String : <input type="string" id="str42"></inputtype>
<br><br>
<button onclick="compEqEqEq()">Compare (Using ===)</button>
<br><br>
<p id="output4"></p>
<hr>
</center>
</body>
</html>

```

## **2. JS**

```

function compLocal() {
    var input11 = document.getElementById("str11").value;
    var input12 = document.getElementById("str12").value;
    var compValue = input11.localeCompare(input12);
    var output1;

    if (compValue == 0) {
        output1 = "Both Stings Are Equal";
    }
    else {
        output1 = "Both Strings Are Unequal";
    }
    document.getElementById("output1").innerHTML = output1;
}

```

```

function compRegEx() {
    var input21 = document.getElementById("str21").value;
    var input22 = document.getElementById("str22").value;
    var reg = new RegExp(input21, "gi");
    var result = reg.test(input22);
    if (result) {
        output2 = "Both Stings Are Equal";
    }
    else {
        output2 = "Both Strings Are Unequal";
    }
    document.getElementById("output2").innerHTML = output2;
}

```

```

function compEqEq() {
    var input31 = document.getElementById("str31").value;
    var input32 = document.getElementById("str32").value;
    var l31 = input31.length;
    var l32 = input32.length;
    var output31;
    var output32;
    if (l31 == l32) {
        output31 = "Both Stings Of Same Length";
        if (input31 == input32) {
            output32 = "Both Strings Are Equal";
        }
        else {

```

```
        output32 = "Both Strings Are Unequal";
    }
}
else {
    output31 = "Both Strings Are Of Unequal Length";
    output32 = " ";
}
document.getElementById("output31").innerHTML = output31;
document.getElementById("output32").innerHTML = output32;
}
```

```
function compEqEqEq() {
    var input41 = document.getElementById("str41").value;
    var input42 = document.getElementById("str42").value;
    var output4;
    if (input41.toLowerCase() === input42.toLowerCase()) {
        output4 = "Both Stings Are Equal";
    }
    else {
        output4 = "Both Strings Are Unequal";
    }
    document.getElementById("output4").innerHTML = output4;
}
```