



Society for Computer Technology & Research's
Pune Institute of Computer Technology
Department of Electronics and Telecommunication Engineering

Roll no: 42411	Name: Aditi Daberao
Division: BE 8	Batch: P8

Practical No : 4 **To compare two strings using various methods**

Code:

1.HTML

<!-- Roll No:42411

Name : Aditi Daberao

Batch : P8

Experiment-4 : String Comparison

-->

<!DOCTYPE html>

<html>

<script src="expt4.js"></script>

<center>

<h1>Expt 4: String Comparison </h1>

</center>

<body>

<center>

<h2>Aditi daberao </h2>

<h3>Roll No.: 42411</h3>



<hr>

<!-- LocaleCompare -->

<h3>Using LocaleCompare</h3>

Enter First String : <input type="string" id="str11"></inputtype>

Enter Second String : <input type="string" id="str12"></inputtype>

<button onclick="compLocale()">Compare Using (Locale Compare)</button>

<button onclick="ResetL()">Reset</button>

<p id="output1"></p>

<hr>

<!-- RegEx -->

<h3> Using RegEx</h3>

Enter First String : <input type="string" id="str21"></inputtype>

Enter Second String : <input type="string" id="str22"></inputtype>

<button onclick="compRegEx()">Compare (Using RegEx)</button>

<button onclick="ResetR()">Reset</button>



<p id="output2"></p>

<hr>

<!-- Length & == Operator -->

<h3> Using Length & == Operator</h3>

Enter First String : <input type="string" id="str31"></inputtype>

Enter Second String : <input type="string" id="str32"></inputtype>

<button onclick="compEqEq()">Compare (Using ==)</button>

<button onclick="ResetE()">Reset</button>

<p id="output31"></p>

<p id="output32"></p>

<hr>

<!-- === Operator -->

<h3> Using === Operator</h3>

Enter First String : <input type="string" id="str41"></inputtype>

Enter Second String : <input type="string" id="str42"></inputtype>



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<button onclick="compEqEqEq()">Compare (Using ===)</button>

<button onclick="ResetEE()">Reset</button>

<p id="output4"></p>

<hr>

</center>

</body>

</html>



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```
function compLocale() {  
  
    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";  
    }  
}
```



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```
}  
  
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";  
  
        }  
  
    }  
  
}
```



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```
}  
  
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;  
  
}
```

```
function ResetR()
```



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```
{  
  
    document.getElementById("origStr1").value="";  
  
    document.getElementById("output1").innerHTML = "";  
  
}  
  
function ResetP()  
  
{  
  
    document.getElementById("origStr2").value="";  
  
    document.getElementById("output2").innerHTML = "";  
  
}  
  
function ResetC()  
  
{  
  
    document.getElementById("origStr3").value="";  
  
    document.getElementById("replaceWith").value="";  
  
    document.getElementById("toReplace").value="";  
  
    document.getElementById("output3").innerHTML = "";  
  
}
```

Output:



Expt 4: String Comparison

Aditi daberao

Roll No.: 42411

Using LocaleCompare

Enter First String :

Enter Second String :

Both Stings Are Equal

Using RegEx

Enter First String :

Enter Second String :

Both Stings Are Equal

Using == Operator

Enter First String :

Enter Second String :

Both Strings Are Unequal