



PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE - 411043
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGG.
ACADEMIC YEAR : 2023-24 SEM: 1

CLASS : BE 5 [S5]

SUBJECT : JavaScript

EXPT. NO. : 4

Roll No.: 42172

DATE :

CODE :

```
<!DOCTYPE html>
<html>
  <body style="text-align: center; background-color: beige;"></body>>
  <h1>String Comparison</h1>
  <h2>42172 Vedansh Gupta</h2>
  <br>
  String 1= <input type="text" id="st1" value=" ">
  <br></br>
  String 2= <input type="text" id="st2" value=" ">
  <br><br>
  <button style="background:rgb(20, 214, 191)" id="myBtn" onclick="set_string()">Compare
Strings</button>

<br><br>Result using to uppercase() method= <p id="casing"></p>
<br><br>Result using to RegEx method: <p id="regex"></p>
<br><br>Result using localeCompare method: <p id="locom"></p>
<br><br>Result using Strict Equality method: <p id="equality"></p>

<script src="assignment_4.js"></script>
</body>
</html>
```

Java Script Code –

```
function set_string()
{
  var string1 = document.getElementById("st1").value;
  var string2 = document.getElementById("st2").value;
  com1(string1,string2);
  com2(string1,string2);
  com3(string1,string2);
  com4(string1,string2);
}

function com1(string1,string2)
{
  var ot;
  const result1 = string1.toUpperCase() === string2.toUpperCase();
  if(result1) {
    ot="The strings are similar ";
```



```
    } else {  
        ot="The strings are not similar ";  
  
    }  
  
    document.getElementById("casing").innerHTML=ot;  
    }  
function com2(string1,string2)  
{  
    const pattern = new RegExp(string1, "gi");  
    var ot;  
    // compare the strings  
    const result2 = pattern.test(string2)  
    if(result2) {  
        ot="The strings are similar <br><br>";  
    } else {  
        ot="The strings are not similar <br><br>";  
    }  
    document.getElementById("regex").innerHTML=ot;  
}  
function com3(string1,string2)  
{  
    // program to perform case insensitive string comparison  
    var ot;  
    const result3 = string1.localeCompare(string2, undefined, { sensitivity: 'base' });  
    if(result3 == 0) {  
        ot="The strings are similar <br><br>";  
    } else {  
        ot="The strings are not similar <br><br>";  
    }  
    document.getElementById("locom").innerHTML=ot;  
}  
function com4(string1,string2)  
{  
    var ot;  
    if( string1 === string2)  
    {  
        ot="The strings are similar <br><br>";  
    }  
    else  
    {  
        ot="The strings are not similar";  
    }  
    document.getElementById("equality").innerHTML=ot;  
}
```



OUTPUT :

dex4.html

Machine Learning - ... Discord Emojis List | ... Martin Garrix +x - G... Electronic

String Comparison

42172 Vedansh Gupta

String 1=

String 2=

[Compare Strings](#)

Result using to uppercase() method=

The strings are similar

Result using to RegEx method:

The strings are similar

Result using localeCompare method:

The strings are similar

Result using Strict Equality method:

The strings are not similar