

Experiment No. 03

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Class: BE5 P5

Roll Number: 42115

Subject: JavaScript

HTML Code -

```
<!-- Name : Prathmesh Bonde
Roll no : 42115 -->

<!DOCTYPE html>
<html lang="en" style="text-align: center">

<head>
  <title>String Manipulation</title>
</head>

<body>
  <h1>String Manipulation</h1>

  <h2>1. String Reverse</h2>
  <input type="text" id="String1" size="30" placeholder="Enter the String" />
  <br /><br />
  <button onClick="reverseString()">Reverse the String</button>
  <p>Reversed String is: <span id="Ans1"></span></p>

  <h2>2. String Replace</h2>

  <input type="text" id="String2" size="30" placeholder="Enter the String" />
  <br /><br />
  <input type="text" id="char1" size="30" placeholder="Enter the character to be
replaced" />
  <br /><br />
  <input type="text" id="char2" size="30" placeholder="Enter the character to
replace" />
  <br /><br />
  <button onClick="replaceCharInString()">Replace a Character</button>
  <p>New String is: <span id="Ans2"></span></p>

  <h2>3. String Palindrome</h2>

  <input type="text" id="s3" placeholder="Enter String" />
  <br /><br />

  <button onClick="isPalindrome()">Click Here >></button><br />
  <p>Palindrome string : <span id="display2"></span></p>

  <script src="Expt3.js"></script>
</body>
```

</html>

Javascript Code -

```
// Name : Prathmesh Bonde
// Roll no : 42115

function reverseString() {
    let a = document.getElementById('String1').value;
    let b = a.split('').reverse().join('');
    document.getElementById('Ans1').innerHTML = b;
}

function replaceCharInString() {
    let c = document.getElementById('String2').value;
    let d = document.getElementById('char1').value;
    let e = document.getElementById('char2').value;

    let f = c.replace(d, e);
    document.getElementById('Ans2').innerHTML = f;
}

function isPalindrome() {
    var s3 = document.getElementById('s3').value;
    var s1 = s3.split('').reverse().join('');
    let result = s1.localeCompare(s3);
    if (result == 0) {
        ans = 'Given string is palindrome';
    } else {
        ans = 'Given string is not palindrome';
    }

    document.getElementById('display2').innerHTML = ans;
}
```

Output -

String Manipulation

1. String Reverse

Enter the String

Reverse the String

Reversed String is:

2. String Replace

Enter the String

Enter the character to be replaced

Enter the character to replace

Replace a Character

New String is:

3. String Palindrome

Enter String

Click Here >>

Palindrome string :

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String Manipulation

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String Manipulation

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