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Practical No: 3 Write a JavaScript program to following operations on a given string, 1. Reverse string 2. Replace characters of a string. 3. String is Palindrome.

Code:

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="styles.css">

    <script src="script.js"></script>

    <title>String Operations</title>

</head>

<body>

    <div class="container">

        <div class="operation">

            <h3>Reverse the String</h3>

            <label for="s">Enter the String:</label>

            <input type="text" id="s" placeholder="Enter the String">

            <button onclick="reverse()">Reverse the String</button>

            <p class="output">Output: <span id="display1"></span></p>

        </div>

        <div class="operation">

            <h3>Check Palindrome</h3>

            <label for="string1">Enter a String:</label>

            <input id="string1" placeholder="Enter the string">

            <button onclick="is\_pal()">Check Palindrome</button>

            <p class="output">Is palindrome or not: <span id="pal"></span></p>

        </div>

        <div class="operation">

            <h3>Replace Characters</h3>

            <label for="string3">Enter a String:</label>

            <input id="string3" placeholder="Enter the string">

            <br><br>

            <label for="char1">Character to replace:</label>

            <input id="char1" placeholder="Enter the character to be replaced">

            <br><br>

            <label for="char2">New Character:</label>

            <input id="char2" placeholder="Enter the new character">

            <br><br>

            <button onclick="replaced()">Replace Character</button>

            <p class="output">String after replacing: <span id="rep"></span></p>

        </div>

    </div>

</body>

</html>

**Script.js**

function reverse()

{

    var s1 = document.getElementById("string1").value;

    document.getElementById("rev").innerHTML= s1.split("").reverse().join("");

}

function is\_pal()

{

    var s1 = document.getElementById("string1").value;

    var s2 = s1.split("").reverse().join("");

    if(s1 === s2)

    document.getElementById("pal").innerHTML = "Yes";

    else

    document.getElementById("pal").innerHTML = "No";

}

function replaced()

{

    var s1 = document.getElementById("string3").value;

    var c1 = document.getElementById("char1").value;

    var c2 = document.getElementById("char2").value;

    var newstr = s1.replace(c1,c2);

    document.getElementById("rep").innerHTML = newstr;

}function reverse(){

var s1=document.getElementById("s").value;

document.getElementById("display1").innerHTML= s1.split("").reverse().join("");

}

Output:

