**JS Experiment 3 Output**

**Question:** 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:

<!DOCTYPE html>

<head>

<script src="https://cdnjs.cloudflare.com/ajax/libs/p5.js/0.9.0/p5.min

.js"></script>

<script>

// JavaScript code to illustrate splice() function

var userString = prompt("Enter a string for operation"); document.write("You have entered " + userString + "<br>"); function reverseString() {

// Step 1. Use the split() method to return a new array var splitString = userString.split("");

// Step 2. Use the reverse() method to reverse the new created array

var reverseArray = splitString.reverse();

// Step 3. Use the join() method to join all elements of the array into a string

var joinArray = reverseArray.join("");

//Step 4. Return the reversed string document.write("Reversed String is: "+joinArray+"<br>");

}

function replace(){

var ele1= prompt("Enter word to be replaced")

var ele2= prompt("Enter word to be replaced with") let result = userString.replace(ele1,ele2); document.write("New String is: "+ result+"<br>");

}

function palindrome(){

// find the length of a string const len = userString.length; var flag=0;

// loop through half of the string for (let i = 0; i < len / 2; i++) {

// check if first and last string are same

if (userString[i] !== userString[len - 1 - i]) { flag=1;

}

}

if(flag==1){

document.write("It is not a palindrome"+"<br>");

}

else{

document.write("It is a palindrome"+"<br>");}

}

reverseString(); replace(); palindrome();

</script>

</head>

<body>

<script >

</script>

</body>

</html>

# Output:

