

	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. : 3	Roll No.: 42172	DATE :	
CODE :			
<pre> <!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"> <title>String Operations</title> </head> <body style="text-align: center; background-color: beige;"> <h1>Write a Javascript program to following operations on a given string 1. Reverse a string. 2. Replace characters of a string. 3. String is Palindrome. </h1> <h2>Vedansh Gupta 42172</h2> <h3>Reverse a string</h3> <label for="reverse">Enter the string to reverse:</label> <input type="text" id="reverse" placeholder="Type in the string">

 <button onclick="reverseString()">Reverse!</button> <p>Final reversed string: </p>

 <h3>Replace characters of a string</h3> <label for="str">Enter the string:</label> <input type="text" id="str" placeholder="Type in the string">

 <label for="char1">Enter the character to be replaced:</label> <input type="text" id="char1" placeholder="Type character from the input string">

 <label for="char2">Enter replacing character:</label> <input type="text" id="char2" placeholder="Type the replacing character">

 <button onclick="replaceS()">Replace!</button> <p>Final output string after replacing: </p>

 <h3>String is palindrome</h3> <label for="palindrome">Enter the string to check palindrome:</label> <input type="text" id="palindrome" placeholder="Type in the string">

 <button onclick="palindromeS()">PalindromeCheck!</button> <p>Final palindrome check: </p>

 <script src="assignment_3.js"></script> </body> </pre>			



```
</html>
function reverseString() {
  let final = "";
  let str = document.getElementById("reverse").value;
  for (let i = str.length - 1; i >= 0; i--) {
    final += str[i];
  }
  document.getElementById("display").innerHTML = final;
}
function replaceS() {
  let str = document.getElementById("str").value;
  let char1 = document.getElementById("char1").value;
  let char2 = document.getElementById("char2").value;
  let new_final = str.replace(char1, char2);
  document.getElementById("display1").innerHTML = new_final;
}
function palindromeS() {
  let final = "";
  let check_pal = "";
  let str = document.getElementById("palindrome").value;
  for (let i = str.length - 1; i >= 0; i--) {
    final += str[i];
  }
  if (str == final) {
    check_pal = "string is palindrome";
  }
  else {
    check_pal = "string is not palindrome";
  }
  document.getElementById("display2").innerHTML = check_pal;
}
```



OUTPUT :

Write a Javascript program to following operations on a given string 1. Reverse a string. 2. Replace characters of a string. 3. String is Palindrome.

Vedansh Gupta 42172

Reverse a string

Enter the string to reverse:

Final reversed string: racecar

Replace characters of a string

Enter the string:

Enter the character to be replaced:

Enter replacing character:

Final output string after replacing: pacindrome

String is palindrome

Enter the string to check palindrome:

Final palindrome check: string is palindrome