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| CLASS : BE 7 [S7] | | SUBJECT : JavaScript | |
| EXPT. NO. : 3 | Roll No.: 42372 | | DATE: |
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| CODE : | | | |
| <!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>42372 V Raghavendra Reddy</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" />  <br /><br />  <button onclick="reverseString()">Reverse!</button>  <p>Final reversed string: <span id="display"></span></p>  <br /><br />  <h3>Replace characters of a string</h3>  <label for="str">Enter the string:</label>  <input type="text" id="str" placeholder="Type in the string" />  <br /><br />  <label for="char1">Enter the character to be replaced:</label>  <input  type="text"  id="char1"  placeholder="Type character from the input string"  />  <br /><br />  <label for="char2">Enter replacing character:</label>  <input type="text" id="char2" placeholder="Type the replacing character" />  <br /><br />  <button onclick="replaceS()">Replace!</button>  <p>Final output string after replacing: <span id="display1"></span></p>  <br /><br />  <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" />  <br /><br />  <button onclick="palindromeS()">PalindromeCheck!</button>  <p>Final palindrome check: <span id="display2"></span></p>  <br /><br />  <h3>Replace characters of a string [By Index]</h3>  <label for="str">Enter the string:</label>  <input type="text" id="str1" placeholder="Type in the string" />  <br /><br />  <label for="replaceInd">Enter replacing Index:</label>  <input type="number" id="replaceInd" placeholder="Type in the Index" />  <br /><br />  <label for="char2">Enter replacing character:</label>  <input type="text" id="char3" placeholder="Type the replacing character" />  <br /><br />  <button onclick="replaceI()">Replace!</button>  <p>Final output string after replacing: <span id="display3"></span></p>  <br /><br />  <script>  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;  if (str.indexOf(char1)>-1==true){  let new\_final = str.replaceAll(char1, char2);  document.getElementById("display1").innerHTML = new\_final;  }  else{  alert('Invalid String')  }  }  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;  }  function replaceI(){  let str=document.getElementById("str1").value;  let ind = document.getElementById("replaceInd").value;  let char2 = document.getElementById("char3").value;  if(ind<0 || ind>str.length){  alert("invalid index")  }  else{  let x=str[ind]  let new\_final = str.replaceAll(x, char2);  document.getElementById("display3").innerHTML = new\_final;  }  }  </script>  </body>  </html> | | | |
| OUTPUT : | | | |
| A screenshot of a computer  Description automatically generated | | | |