**Program 3: Write a JavaScript program to following operations on a given string,**

**(A)Reverse string**

let string = "AVCOE"

string = [...string].reverse().join("");

console.log(string);

**Output:**

EOCVA

**(B)Replace characters of a string**

const p ='The quick brown fox jumps over the lazy dog';

console.log(p.replace('dog', 'monkey'));

// expected output: "The quick brown fox jumps over the lazy monkey.

const regex = /Dog/i;

console.log(p.replace(regex, 'ferret'));

// expected output: "The quick brown fox jumps over the lazy ferret.

**Output:**

The quick brown fox jumps over the lazy monkey

The quick brown fox jumps over the lazy ferret

**(C)String is Palindrome**

<html>

<head> <title> JavaScript Palindrome </title>

</head>

<body>

<!-- Use JavaScript programming code to validate the Palindrome numbers or strings. -->

<script>

function validatePalin(str) {

// get the total length of the words

const len = string.length;

// Use for loop to divide the words into 2 half

for (let i = 0; i < len / 2; i++) {

// validate the first and last characters are same

if (string[i] !== string[len - 1 - i]) {

alert( 'It is not a palindrome');

}

}

alert( 'It is a palindrome');

}

// accept the string or number from the prompt

const string = prompt('Enter a string or number: ');

const value = validatePalin(string);

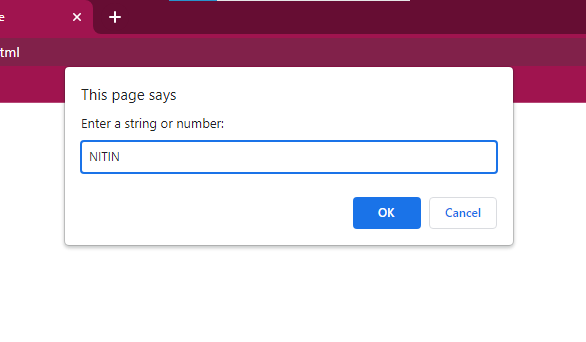
console.log(value);

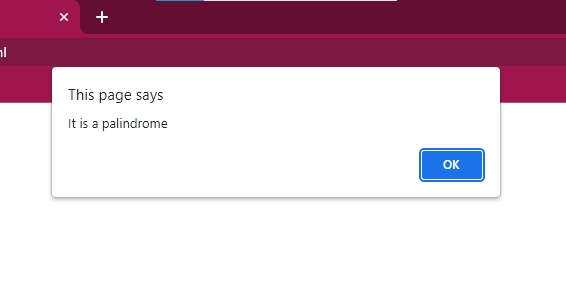
</script>

</body>

</html>

**OUTPUT:**

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