**Expt\_3-Operation on string**

**1.Reverse string**

<html>

<head>

<script >

var str = prompt("Enter the string");

function ReverseString(str) {

if(!str || str.length < 2 ||

typeof str!== 'string') {

return 'Not valid';

}

const revArray = [];

const length = str.length - 1;

for(let i = length; i >= 0; i--) {

revArray.push(str[i]);

}

return revArray.join('');

}

document.write(ReverseString(str))

</script>

</head>

<body>

</body>

</html>

**2.Replace String**

<html>

<head>

<script>

var string = 'Progressive Education Society ';

var newstring = string.replace(/Progressive Education Society/, 'PES');

document.write(newstring);

</script>

</head>

</html>

**3.Palindrome**

<html>

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

</head>

<body>

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

<script>

function validatePalin(str) {

const len = string.length;

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

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

alert( 'It is not a palindrome');

}

}

alert( 'It is a palindrome');

}

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

const value = validatePalin(string);

console.log(value);

</script>

</body>

</html>