**Practical 2**

**Aim** : Program in JavaScript on manipulation of strings.(Palindrome, length calculation , concatenation, comparison , find position of substring, index of character , uppercase, lowercase etc.)

**INPUT**

<html><head>

<script type="text/javascript">

function cal() {

// body...

var str1=document.getElementById('str1').value;

var str2=document.getElementById('str2').value;

var res=document.getElementById('res');

res.value="Str1: "+str1.length+" Str2: "+str2.length;

}

function con() {

// body...

var str1=document.getElementById('str1').value;

var str2=document.getElementById('str2').value;

var res=document.getElementById('res');

res.value=str1+str2;

}

function comp() {

// body...

var str1=document.getElementById('str1').value;

var str2=document.getElementById('str2').value;

var res=document.getElementById('res');

if(str1==str2)

{

res.value="Same";

}

else if(str1.length>=str2.length)

{

res.value="Str1 is greater than 2nd";

}else{

res.value="Str2 is greater than 1st";

}

}

function pos() {

// body...

var str1=document.getElementById('str1').value;

var str2=document.getElementById('str2').value;

var res=document.getElementById('res');

var index=str1.indexOf('str2');

if(index>-1)

{

res.value="Found at"+index;

}else

{

res.value="404";

}

}

function upp() {

// body...

var str1=document.getElementById('str1').value;

var str2=document.getElementById('str2').value;

var res=document.getElementById('res');

res.value=str1.toUpperCase()+":Str2:"+str2.toUpperCase();

}

function low() {

// body...

var str1=document.getElementById('str1').value;

var str2=document.getElementById('str2').value;

var res=document.getElementById('res');

res.value=str1.toLowerCase()+":Str2:"+str2.toLowerCase(); }

function palin() {

// body...

var str1=document.getElementById('str1').value;

var str2=document.getElementById('str2').value;

var res=document.getElementById('res');

var reverse=str1.split("").reverse().join("");

alert(reverse);

if(str1==reverse)

{

res.value="PALINDROME";

}else{

res.value="Not a PALINDROME";

} }

</script>

<title></title>

</head>

<body>

Enter String 1: <input type="text" name="" id="str1"><br><br>

Enter String 2: <input type="text" name="" id="str2"><br><br>

Result: <input type="" name="" id="res"><br><br>

<span>

<input type="Button" value="Palindrome" onclick="palin()">

<input type="Button" value="Length Calculation" onclick="cal()">

<input type="Button" value="Concatenation" onclick="con()">

<input type="Button" value="Comparison" onclick="comp()">

<input type="Button" value="Position" onclick="pos()">

<input type="Button" value="UpperCase" onclick="upp()">

<input type="Button" value="LowerCase" onclick="low()">

</span>

</body></html>

**OUTPUT**















