

dt-10-20

pgm no: 9

# THE PALINDROMES

## AIM

Create a webpage containing two separate buttons to check number and string palindromes using javascript. (use prompt and alert)

## CODE

```
<html>
```

```
<body>
```

```
<style type='text/css'>
```

```
  .block {
```

```
    background-color: white;
```

```
    color: black;
```

```
    display: block;
```

```
    width: 100%
```

```
    padding: 10px 20px;
```

```
    font-size: 16px;
```

```
    cursor: pointer;
```

```
    text-align: center;
```

```
    border-radius: 5px;
```

```
}
```

• button1 {

border: 2px solid #4CAF50;

• button2 {

border: 2px solid #008CBA;

</style>

<center>

<form>

<h4><u>Palindrome check</u></h4>

<table>

<tr><td><Button onclick = "get(this.id);" id = 'num' class = 'block button1'>

Number </Button>

</td>

<td><Button onclick = "get(this.id)" id = 'str'>

class = 'block button2'> String </Button>

</td>

</tr>

</form> </center>

</table>

```
< Script type='text/javascript'>
```

```
function get(id) {
```

```
    if (id === 'num') {
```

```
        var x = prompt("Enter a number:");
```

```
        if (x != null) {
```

```
            x = Number(x);
```

```
            if (x === P(x))
```

```
                alert("Palindrome Number");
```

```
            else
```

```
                alert("Not a Palindrome number");
```

```
        }  
    }  
    else
```

```
        return;
```

```
    }  
    else  
    {
```

```
        var y = prompt("Enter string:");
```

```
        if (y != null) {
```

```
            if (y === Pali(y))
```

```
                alert("Palindrome string");
```

```
            else
```

```
                alert("Not Palindrome string");
```

```
        }  
    }  
    else
```

```
        return;
```

```
    }
```

}

function pali (s18) {

var newS18 = "";

for (var i = s18.length - 1; i >= 0; i--) {

newS18 += s18[i];

}

return newS18;

}

function P(num)

{

var rev = 0;

while (num)

{

rev = (rev \* 10) + (num % 10);

num = parseInt (num / 10);

}

return rev;

}

}

</script> </Body>

RESULT

The program was successfully executed.

## DESIGN

palindrome check

NUMBER

STRING