

## 1.area and circumference of a circle

---

```
<html>
<head>
<title>area and circumference of circle</title> </head>
<body>
<script>
function calc()
{
var r=document.getElementById('radius').value;
var area=Math.PI*r*r;
var circumf=2*Math.PI*r;
document.write("area="+area);
document.write("<br>");
document.write("circumference="+circumf);
}
</script>
<form>
<input type="text" id="radius">
<br>
<input type="button" onclick=calc() value="submit"> </form>
</body>
</html>
```

## 2.Perfect,abundant and deficient number

---

```
<html>
<head>
<title>Number checking</title>
</head>
<body>
<script>
```

```

var num=prompt("Enter a value");
var sum=0;
for(var i=1; i<num; i++)
{
if(num%i==0)
{
sum=sum+i;
}
}
if(sum==num)
alert("given no is perfect");
else if(sum>num) alert("given no is abundant");
else
alert("given no is deficient");
</script>
</body>
</html>

```

### 3.Multiplication table

---

```

<html>
<head>
<script>
var n=prompt("Enter a number");
var lim=prompt("Enter the limit");
for(i=1;i<=lim;i++)
{
document.write(i+"*"+n+"="+i*n);
document.write("<br>");
}
</script>
</head>

```

```
<body>
```

```
</body>
```

```
</html>
```

#### 4.Arithmetic operations

---

```
<html>
```

```
<head>
```

```
<script>
```

```
function sum()
```

```
{
```

```
result.value=Number(num1.value)+Number(num2.value);
```

```
}
```

```
function diff()
```

```
{
```

```
result.value=Number(num1.value)-Number(num2.value);
```

```
}
```

```
function pro()
```

```
{
```

```
result.value=Number(num1.value)*Number(num2.value);
```

```
}
```

```
function quo()
```

```
{
```

```
result.value=Number(num1.value)/Number(num2.value);
```

```
}
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<form>
```

```
num1:<input type="text" id="num1"><br><br>
```

```
num2:<input type="text" id="num2"><br><br>
```

```
<input type="button" value ="+" onClick="sum()">
```

```
<input type="button" value ="_" onClick="diff()">
<input type="button" value ="*" onClick="pro()">
<input type="button" value ="/" onClick="quo()">
<output id="result"></output>
</form>
</body>
</html>
```

## 5.Palendrome checking

---

```
<html>
<head>
<title>palendrome checking</title>
<body>
<script>
var str = prompt("Enter the string:");
var len = str.length;
var flag=0;
    for (var i = 0; i < len / 2; i++) {

        if (str[i] !== str[len - 1 - i]) {
            flag=1;
        }
    }

    if(flag==0)
        alert("palendrome");
    else
        alert(" Not palendrome");
</script>
</body>
</html>
```

## 6.Sum of an array

---

```
<html>
<head>
<title>
sum of array elements
</title>
</head>
<script>
var n=prompt("how many elements?");
var sum=0;
var arr=new Array(n);
for(var i=0;i<n;i++)
arr[i]=prompt("Enter the number");
for(var i=0;i<n;i++)
    sum=sum+Number(arr[i]);
alert("sum="+sum);
</script>
</html>
```

## 7.Event handling: onfocus and onblur

---

```
<html>
<head>
<title>
setting colors based on events
</title>
</head>

<script>

function txtcolor()
```

```
{
document.form1.txt.style.color="green";
}
function bgcolor()
{
document.form1.txt.style.backgroundColor="yellow";
}
```

</script>

<body>

<form name=form1>

Enter your name:<input type=text name=txt onfocus=txtcolor() onblur=bgcolor()>

<input type=submit value="submit" >

</form>

</body>

</html>

## 8.Event handling:onChange

<html>

<head>

<title>

capital of a country

</title>

</head>

<script>

function display\_capital( value)

{

document.form1.txt.value=value;

}

```
</script>
```

```
<body>
```

```
<form name=form1>
```

```
select from here:
```

```
<select name="country" onChange="display_capital(value)">
```

```
<option value="delhi">india</option>
```

```
<option value="Beijing">china</option>
```

```
<option value="W.DC">US</option>
```

```
<option value="London">England</option>
```

```
</select>
```

```
<br>
```

```
capital:<input type=text name=txt><br>
```

```
<input type=submit value="submit">
```

```
</form>
```

```
</body>
```

```
</html>
```

## 9. Form validation

```
<html>
```

```
<head>
```

```
<title>
```

```
form validation
```

```
</title>
```

```
</head>
```

```
<script>
```

```
function validate()
```

```
{
```

```
if(form1.name.value=="")
{
    alert("please provide your name");
    form1.name.focus();
    return false;
}
if(form1.pswd.value.length<8)
{
    alert("please provide your password atleast 8 characters ");
    form1.pswd.focus();
    return false;
}
if(form1.pswd.value!=form1.confirmpswd.value)
{
    alert("passwords do not match");
    form1.pswd.focus();
    return false;
}

alert("submitted successfully");
return true;
}
</script>

<body>
<form name=form1 onsubmit="return validate()">
Name:<input type ="text" id="name"><br>
Password:<input type ="password" id="pswd">
Confirm Password:<input type ="password" id="confirmpswd"><br><br>
<input type="submit" value="submit">
```



</form>

</body>

</html>