	PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE - 411043
	DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGG.
	ACADEMIC YEAR : 2022-23 SEM: 1

CLASS : BE VIII [P8]	SUBJECT : JavaScript
EXPT. NO. : 1	Roll No.: 42410	DATE :

CODE :

index1.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta http-equiv="X-UA-Compatible" content="IE=edge">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Expt_01 Area</title>
</head>
<body>
 <h1>JavaScript program to calculate area of triangle, area of rectangle and
area of circle.</h1>
 <div>
 <h2 style="text-align:center" >Area of Rectangle</h2>
 <div style="text-align:center">
 <div>
 <input id="length" type="number">
 <label> Enter length of rectangle<label>
 </div>
 <br>
 <div>
 <input id= "width" type="number">
 <label> Enter breadth of rectangle<label></label>
 </div>
 <br>
 <div>
 <button onclick="recta()">Calculate Area</button>
 <h4 id="ans"></h4>
 </div>
 <br>

 </div>

 </div>
 <div>
 <h2 style="text-align:center">Area of Circle</h2>
 <div style="text-align:center">
 <div>
 <input id="Radius" type="number">
 <label> Enter Radius of circle<label></label>
 </div>
 <br>
 <div>
```

```html
<button onclick="circle()">Calculate Area</button>
<h4 id="ansC"></h4>
</div>


</div>


</div>
<div>
<h2 style="text-align:center">Area of triangle</h2>
<div style="text-align:center">
<div >
<input id="side01" type="number">
<label> Enter side01 of the triangle<label>
</div>
<br>
<div>
<input id="side02" type="number">
<label> Enter side02 of the triangle<label>
</div>
<br>
<div>
<input id="side03" type="number">
<label> Enter side03 of the triangle<label>
</div>
<br>

<button onclick="triangle()">Calculate Area</button>
<h4 style="display: block;" id="ansT"></h4>
</div>


</div>
<script src="expt01.js"></script>
</body>
</html>
```

expt01.js:

```javascript
document.body.style.backgroundColor="lightblue";
function recta(){
let l =document.getElementById("length");
let h =document.getElementById("width");
let rans =document.getElementById("ans");
let rarea=(l.value)*(h.value);
rans.innerHTML="Area of rectangle: "+rarea;
};
function resetrecta() {
        document.getElementById("l").value = ";
```

```javascript
          document.getElementById("h").value = '';
     document.getElementById("ans").value = '';


               document.getElementById("rarea").innerHTML = '';}
function circle(){
let r =document.getElementById("Radius");
let cans =document.getElementById("ansC");
let carea=3.14*(r.value)*(r.value);
cans.innerHTML="Area of Circle: "+carea;
};
function resetcircle() {
        document.getElementById("r").value = '';
        //document.getElementById("breadth").value = '';
               document.getElementById("area_circle").innerHTML = '';}
function triangle(){
var side01 = parseInt(document.getElementById("side01").value);
var side02 = parseInt(document.getElementById("side02").value);
var side03 = parseInt(document.getElementById("side03").value);
console.log(typeof(side01));
var s = (side01+side02+side03)/2;
var tarea = Math.sqrt((s*(s-side01)*(s-side02)*(s-side03)));
document.getElementById("ansT").innerHTML ="Area of Triangle: "+tarea;
};
function resettriangle() {
        document.getElementById("side01").value = '';
        document.getElementById("side02").value = '';
   document.getElementById("side03").value = '';
               document.getElementById("area_triangle").innerHTML = '';}
```

OUTPUT :