

	PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE - 411043		
	DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGG. ACADEMIC YEAR : 2023-24 SEM: 1		
CLASS : BE VII [S7]		SUBJECT: JavaScript	
EXPT. NO.: 1	Roll No.: 42372	DATE:	
CODE:			
<pre> <html> <body style="text-align: center; background-color: beige"> <h1>Area of Different shapes</h1> <h3>42372 V Raghavendra Reddy</h3>
 <h3 style="color: blue">Rectangle Area Calculation</h3> Length= <input type="number" id="length" />
 Breadth= <input type="number" id="breadth" />
 <button style="background: pink" onclick="rectangle()">Calculate</button>
 Area= <h4 id="area_rectangle"></h4>
 <h3 style="color: blue">Circle Area Calculation</h3> Radius= <input type="number" id="radius" />
 <button style="background: pink" onclick="circle()">Calculate</button>
 Area= <h4 id="area_circle"></h4>
 <h3 style="color: blue">Triangle Area Calculation</h3> Side A= <input type="number" id="sidea" />
 Side B= <input type="number" id="sideb" />
 Side C= <input type="number" id="sidec" />
 <button style="background: pink" onclick="triangle()">Calculate</button>
 Area= <h4 id="area_triangle"></h4> <script> function rectangle() { var len = parseInt(document.getElementById("length").value); var bre = parseInt(document.getElementById("breadth").value); if(len<0 bre<0){ alert("Value can not be negative"); } else{ document.getElementById("area_rectangle").innerHTML = len * bre; } } </script> </pre>			



```
}  
function circle() {  
    var rad = parseInt(document.getElementById("radius").value);  
    if (rad < 0) {  
        alert('Radius Can not be negative')  
    }  
    else {  
        document.getElementById("area_circle").innerHTML = Math.PI * rad * rad;  
    }  
}  
function triangle() {  
    var a = parseInt(document.getElementById("sidea").value);  
    var b = parseInt(document.getElementById("sideb").value);  
    var c = parseInt(document.getElementById("sidec").value);  
    if (a + b <= c || a + c <= b || b + c <= a) {  
        alert("Invalid Sides");  
    }  
    else {  
        const s = (a + b + c) / 2;  
        document.getElementById("area_triangle").innerHTML = Math.sqrt(  
            s * (s - a) * (s - b) * (s - c)  
        );  
    }  
}  
</script>  
</body>  
</html>
```



OUTPUT :

Area of Different shapes

42372 V Raghavendra Reddy

Rectangle Area Calculation

Length=

Breadth=

Area=

6

Circle Area Calculation

Radius=

Area=

78.53981633974483

Triangle Area Calculation

Side A=

Side B=

Side C=

Area=

9.16515138991168

