```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>42204 Yash Bagade</title>
</head>
<body>
 <div style="text-align:center">
 <h1>JavaScript program to calculate area of triangle, area of rectangle and
area of circle.</h1>
 <br>
 <h1>42204 Yash Bagade</h1>
 </div>

 <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="areaOfrectangle()">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>
 </div>
 <br>
 <div>
 <button onclick="areaOfcircle()">Calculate Area</button>
```

```html
    <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="sidea" type="number"/>
    <label> Enter side01 of the triangle</label>
    </div>
    <br>
    <div>
    <input id="sideb" type="number"/>
    <label> Enter side02 of the triangle</label>
    </div>
    <br>
    <div>
    <input id="sidec" type="number"/>
    <label> Enter side03 of the triangle</label>
    </div>
    <br>
    <button onclick="areaOftriangle ()">Calculate Area</button>
    <h4 id="area_triangle"></h4>
    </div>


    </div>
    <script>
        function areaOftriangle() {
        var side1 = parseInt(document.getElementById("sidea").value);
        var side2 = parseInt(document.getElementById("sideb").value);
        var side3 = parseInt(document.getElementById("sidec").value);
        console.log(typeof (side1));
        var s = (side1 + side2 + side3)/2;
        var area = Math.sqrt(s*((s-side1)*(s-side2)*(s-side3)));
        document.getElementById("area_triangle").innerHTML = area;
        }
function areaOfcircle() {
        var radius = parseInt(document.getElementById("Radius").value);
        var area = 3.14 * (radius ** 2);
        document.getElementById("ansC").innerHTML = area;
        }
function areaOfrectangle() {
        var length = parseInt(document.getElementById("length").value);
        var breadth = parseInt(document.getElementById("width").value);
```

```
    var area = length * breadth;
    document.getElementById("ans").innerHTML = area;
  }
  </script>
</body>
</html>
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</div>
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 <div>
 <h2 style="text-align:center">Area of Circle</h2>
 <div style="text-align:center">
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<div>
<input id="Radius" type="number">
<label> Enter Radius of circle</label>
</div>
<br>
<div>
<button onclick="areaOfcircle()">Calculate Area</button>
<h4 id="ansC"></h4>
</div>

</div>

</div>
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<h2 style="text-align:center">Area of triangle</h2>
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<label> Enter side01 of the triangle</label>
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    document.getElementById("area_triangle").innerHTML = area;
    }
function areaOfcircle() {
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    var radius = parseInt(document.getElementById("Radius").value);
    var area = 3.14 * (radius ** 2);
    document.getElementById("ansC").innerHTML = area;
    }
function areaOfrectangle() {
    var length = parseInt(document.getElementById("length").value);
    var breadth = parseInt(document.getElementById("width").value);
    var area = length * breadth;
    document.getElementById("ans").innerHTML = area;
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