

Experiment no 01

a)Area of Triangle

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>
    JavaScript Function to find
    the are of a trangle
  </title>
  <style>
    *{
      text-align:center;
    }
    body {
      font-family: Arial, sans-serif;
      background: #f9f9f9;
      text-align: center;
      padding: 30px;
    }

    h4 {
      color: #333;
      margin-bottom: 15px;
    }

    label {
      display: block;
      margin: 10px 0 5px;
      font-weight: bold;
    }

    input {
      padding: 6px;
      width: 200px;
      border: 1px solid #ccc;
      border-radius: 5px;
      margin-bottom: 10px;
    }

    button {
      margin-top: 10px;
      background: #007BFF;
      color: white;
      border: none;
```

```

padding: 8px 15px;
border-radius: 5px;
cursor: pointer;
}

button:hover {
background: #0056b3;
}

p {
margin-top: 15px;
font-size: 16px;
}

#display {
color: #007BFF;
font-weight: bold;
}
</style>
</head>
<body>
<h4>JavaScript function to find the area of triangle</h4>
<label for="side1">Enter the value of side 1:</label>
<input type="number" placeholder="Enter value of side 1" id="side1">
<br>
<label for="side2">Enter the value of side 2:</label>
<input type="number" placeholder="Enter value of side 1" id="side2">
<br>
<label for="side3">Enter the value of side 3:</label>
<input type="number" placeholder="Enter value of side 1" id="side3">
<br>
<button onclick="Area()">Calculate</button>
<p>Area of Triangle:<span id="display"></span></p>

<script>
function Area(){
var side1=parseInt(document.getElementById("side1").value);
var side2=parseInt(document.getElementById("side2").value);
var side3=parseInt(document.getElementById("side3").value);
var s=(side1+side2+side3)/2;
var area=Math.sqrt(s*((s-side1)*(s-side2)*(s-side3)));

document.getElementById("display").innerHTML=area;

}
</script>
</body>
</html>

```

Output:

JavaScript function to find the area of triangle

Enter the value of side 1:

Enter the value of side 2:

Enter the value of side 3:

Area of Triangle:6

a)Area of Rectangle

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>
    JavaScript Function to find
    the are of a Rectangle
  </title>
  <style>
    *{
      text-align:center;
    }
    body {
      font-family: Arial, sans-serif;
      background: #f9f9f9;
      text-align: center;
      padding: 30px;
    }
  </style>
</head>
<body>
  <div>
    <h3>JavaScript function to find the area of rectangle</h3>
    <div>
      <div>Enter the value of side 1:</div>
      <input type="text" value="3">
    </div>
    <div>
      <div>Enter the value of side 2:</div>
      <input type="text" value="4">
    </div>
    <div>
      <div>Enter the value of side 3:</div>
      <input type="text" value="5">
    </div>
    <div>
      <input type="button" value="Calculate">
    </div>
    <div>Area of Rectangle:10</div>
  </div>
</body>
</html>
```

```

h4 {
  color: #333;
  margin-bottom: 15px;
}

label {
  display: block;
  margin: 10px 0 5px;
  font-weight: bold;
}

input {
  padding: 6px;
  width: 200px;
  border: 1px solid #ccc;
  border-radius: 5px;
  margin-bottom: 10px;
}

button {
  margin-top: 10px;
  background: #007BFF;
  color: white;
  border: none;
  padding: 8px 15px;
  border-radius: 5px;
  cursor: pointer;
}

button:hover {
  background: #0056b3;
}

p {
  margin-top: 15px;
  font-size: 16px;
}

#display {
  color: #007BFF;
  font-weight: bold;
}
</style>
</head>
<body>
  <h4>JavaScript function to find the area of Rectangle</h4>
  <label for="side1">Enter the value of side 1:</label>

```

```

<input type="number" placeholder="Enter value of side 1" id="side1">
<br>
<label for="side2">Enter the value of side 2:</label>
<input type="number" placeholder="Enter value of side 1" id="side2">
<br>

<button onclick="Area()">Calculate</button>
<p>Area of Rectangle:<span id="display"></span></p>

<script>
function Area(){
    var side1=parseInt(document.getElementById("side1").value);
    var side2=parseInt(document.getElementById("side2").value);

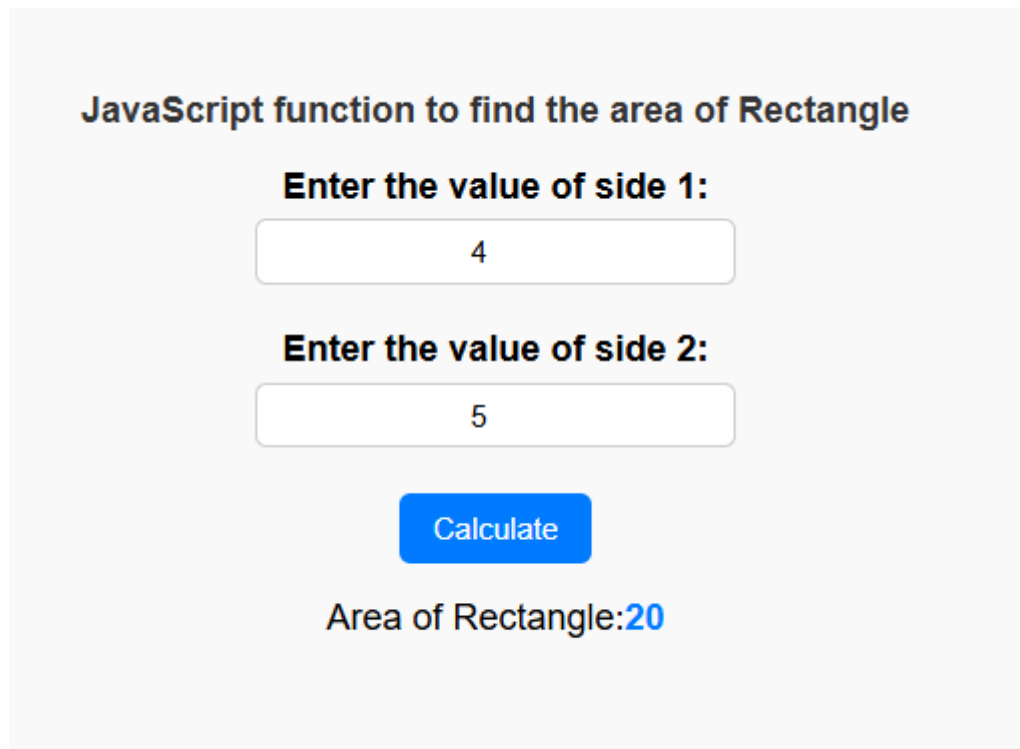
    var area=side1*side2;

    document.getElementById("display").innerHTML=area;

}
</script>
</body>
</html>

```

Output:



JavaScript function to find the area of Rectangle

Enter the value of side 1:

Enter the value of side 2:

Calculate

Area of Rectangle:20

a)Area of Circle

Code:

```
<!DOCTYPE html>
```

```
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>
    JavaScript Function to find
    the are of a Circle
  </title>
  <style>
    *{
      text-align:center;
    }
    body {
      font-family: Arial, sans-serif;
      background: #f9f9f9;
      text-align: center;
      padding: 30px;
    }

    h4 {
      color: #333;
      margin-bottom: 15px;
    }

    label {
      display: block;
      margin: 10px 0 5px;
      font-weight: bold;
    }

    input {
      padding: 6px;
      width: 200px;
      border: 1px solid #ccc;
      border-radius: 5px;
      margin-bottom: 10px;
    }

    button {
      margin-top: 10px;
      background: #007BFF;
      color: white;
      border: none;
      padding: 8px 15px;
      border-radius: 5px;
      cursor: pointer;
    }
  </style>

```

```

    button:hover {
        background: #0056b3;
    }

    p {
        margin-top: 15px;
        font-size: 16px;
    }

    #display {
        color: #007BFF;
        font-weight: bold;
    }
    #display2 {
        color: #007BFF;
        font-weight: bold;
    }
}
</style>
</head>
<body>
    <h4>JavaScript function to find the area of Circle</h4>
    <label for="side1">Enter the value of side 1:</label>
    <input type="number" placeholder="Enter value of side 1" id="side1">
    <br>
    <button onclick="Area()">Calculate</button>
    <p>Area of Rectangle:<span id="display"></span>
    <br>And Circumference:<span id="display2"></span></p>

    <script>
        function Area(){
            var side1=parseInt(document.getElementById("side1").value);
            var area=side1*side1*Math.PI;
            var cer=2*side1*Math.PI;
            document.getElementById("display").innerHTML=area;
            document.getElementById("display2").innerHTML=cer;

        }
    </script>
</body>
</html>

```

Output:

JavaScript function to find the area of Circle

Enter the value of side 1:

Calculate

Area of Rectangle:**314.1592653589793**
And Circumference:**62.83185307179586**