

## Practical 3.2

**Write a Javascript program to calculate area of triangle and rectangle.**

### CODE:-

```
<html>
<head>
<title>IU2341230099_pr-3.2</title>
<link rel="stylesheet" href="style4.css">
</head>
<body>
<h1>Triangle</h1>
Base: <input type="number" name="base" id="base"> <br /><br />
Height: <input type="number" name="height" id="height"> <br />
<h3 name="p1" id="p1"></p>
<h1>Rectangle</h1>
Length: <input type="number" name="length" id="length"> <br /><br />
Breadth: <input type="number" name="breadth" id="breadth"> <br />
<h3 name="p2" id="p2"></p>
<button onclick="getResult()">Area</button>
<script type="text/javascript">
function getResult() {
var base = parseInt(document.getElementById("base").value);
var height = parseInt(document.getElementById("height").value);
var length = parseInt(document.getElementById("length").value);
var breadth = parseInt(document.getElementById("breadth").value);
var triArea = (base * height) / 2;
var rectArea = length * breadth;
triAns = "Area of Triangle: " + triArea;
rectAns = "Area of Rectangle: " + rectArea;
document.getElementById("p1").innerHTML = triAns;
document.getElementById("p2").innerHTML = rectAns;
}
</script>
</body>
</html>
```

### CSS:-

```
body {
font-family: Arial, sans-serif;
background: #f0f4f8;
padding: 40px;
text-align: center;
}
```

```
h1 {
  color: #2c3e50;
  margin-bottom: 15px;
}
input[type="number"] {
  padding: 10px;
  width: 180px;
  font-size: 16px;
  border: 2px solid #2980b9;
  border-radius: 6px;
  margin: 10px 0 20px 0;
  text-align: center;
  transition: border-color 0.3s ease;
}

input[type="number"]:focus {
  border-color: #3498db;
  outline: none;
  box-shadow: 0 0 8px rgba(52, 152, 219, 0.6);
}

/* Button */
button {
  background: #2980b9;
  color: white;
  padding: 12px 30px;
  font-size: 16px;
  border: none;
  border-radius: 8px;
  cursor: pointer;
  font-weight: bold;
  transition: background-color 0.3s ease;
}

button:hover {
  background: #1f5f8b;
}

/* Result text styles */
h3 {
  margin-top: 15px;
  padding: 12px 20px;
  background: #d6e9ff;
  border: 2px solid #2980b9;
  border-radius: 8px;
}
```

```
font-weight: bold;  
color: #2c3e50;  
display: inline-block;  
min-width: 250px;  
}
```

**Output:-**

## Triangle

Base:

Height:

Area of Triangle: 6

## Rectangle

Length:

Breadth:

Area of Rectangle: 24

Signature

Date