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| CLASS : BE VII [S7] | | SUBJECT: JavaScript | |
| EXPT. NO.: 1 | Roll No.: 42372 | | DATE: |
|  | | | |
| CODE: | | | |
| <html>  <body style="text-align: center; background-color: beige">  <h1>Area of Different shapes</h1>  <h3>42372 V Raghavendra Reddy</h3>  <br />  <h3 style="color: blue">Rectanlge Area Calculation</h3>  Length= <input type="number" id="length" />  <br />  Breadth= <input type="number" id="breadth" />  <br />  <button style="background: pink" onclick="rectangle()">Calculate</button>  <br />  Area=  <h4 id="area\_rectangle"></h4>  <br />  <h3 style="color: blue">Circle Area Calculation</h3>  Radius= <input type="number" id="radius" />  <br />  <button style="background: pink" onclick="circle()">Calculate</button>  <br />  Area=  <h4 id="area\_circle"></h4>  <br />  <h3 style="color: blue">Triangle Area Calculation</h3>  Side A= <input type="number" id="sidea" /><br />  Side B= <input type="number" id="sideb" /><br />  Side C= <input type="number" id="sidec" />  <br />  <button style="background: pink" onclick="triangle()">Calculate</button>  <br />  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;  }  }  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 : | | | |
| A screenshot of a calculator  Description automatically generated | | | |