```java
1  package ClassMethod;
2
3  abstract class calculate
4  {
5      double base,height;
6      calculate(double x, double y)
7      {
8          base = x;
9          height = y;
10     }
11
12     abstract double area();
13 }
14
15 class Rectangle extends calculate
16 {
17     Rectangle(double x, double y)
18     {
19         super(x,y);
20     }
21     double area()
22     {
23         return base*height;
24     }
25 }
26
27 class Triangle extends calculate
28 {
29     Triangle(double x, double y)
30     {
31         super(x,y);
32     }
33     double area()
34     {
35         return base*height/2;
36     }
37 }
38 public class AbstractClassMethod {
39
40     public static void main(String args[])
41     {
42         Triangle tr = new Triangle(10,45);
43         Rectangle rt = new Rectangle(15,25);
44
45         calculate cal;
46         cal = tr;
47         System.out.println("The area of Triangle is: " + cal.area());
48
49         cal = rt;
50         System.out.println("The area of a Rectangle is: " + cal.area());
51     }
52
53 }
54
```