

```
D:\Java\testAbstract.java (Java) - Sublime Text (UNREGISTERED)
3  import java.util.*;
4  import java.lang.*;
5
6
7  abstract class Shape {
8      Scanner in = new Scanner(System.in);
9      int a1, a2;
10     Shape() {
11         System.out.println();
12         System.out.println("Input 2 integer values: ");
13         a1 = in.nextInt();
14         a2 = in.nextInt();
15     }
16     abstract void printArea();
17 }
18
19
20 class Rectangle extends Shape {
21     void printArea() {
22         System.out.println("Rectangle : " + a1*a2);
23     }
24 }
25
26
27 class Triangle extends Shape {
28     void printArea() {
29         System.out.println("Triangle : " + (a1*a2)/2);
30     }
31 }
32
33
34 class Circle extends Shape {
35     void printArea() {
36         System.out.println("Circle 1: " + (3.14 * a1 * a1));
37         System.out.println("Circle 2: " + (3.14 * a2 * a2));
38     }
39 }
40
41
42 class testAbstract {
43     public static void main(String[] args) {
44         Shape s;
45
46         s = new Rectangle();
47         s.printArea();
48
49         s = new Triangle();
50         s.printArea();
51
52         s = new Circle();
53         s.printArea();
54     }
55 }
```

Line 12, Column 49

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Java

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Command Prompt
D:\Java>java testAbstract
Input 2 integer values:
5
2
Rectangle : 10

Input 2 integer values:
5
2
Triangle : 5

Input 2 integer values:
5
2
Circle 1: 78.5
Circle 2: 12.56

D:\Java>
```