

Test_Triangle.java

```
1 import java.util.InputMismatchException;
2 import java.util.Scanner;
3
4 public class Test_Triangle
5 {
6     public static void main (String[] args)
7     {
8         Scanner scan = new Scanner (System.in);
9
10        String userInput = "y";
11        while(!userInput.equals("n"))
12        {
13            int side1, side2, side3 = 0;
14            sop("");
15            try {
16                sop("Enter a value for side 1: ");
17                side1 = scan.nextInt();
18                sop("Enter a value for side 2: ");
19                side2 = scan.nextInt();
20                sop("Enter a value for side 3: ");
21                side3 = scan.nextInt();
22            } catch (InputMismatchException e) {
23                sop("Input has to be positive number that no greater
24                than 2147483647");
25                break;
26            }
27
28            Triangle aTriangle = new Triangle (side1, side2, side3);
29
30            sop("");
31            sop("Results: ");
32            boolean tri = aTriangle.isTriangle();
33            sop("Is it a triangle? - " + tri);
34            if (tri) {
35                sop("Equilateral? - " + aTriangle.isEquilateral());
36                sop("Isosceles? - " + aTriangle.isIsosceles());
37                sop("Scalene? - " + aTriangle.isScalene());
38            }
39
40            System.out.println();
41        }
42    }
43 }
```

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```
40         sop("Do you want to test another triangle?");
41         sop("(Type 'y' for YES or 'n' for NO.)");
42         userInput = scan.    ();
43
44     }
45
46 }
47
48 /*
49  * Method for system out print
50  */
51 public static void sop(Object x)
52 {
53     System.out.    (x);
54 }
55 }
```