

```

1  import java.util.Random;
2
3  class RandomNumberThread extends Thread {
4      public void run() {
5          Random random = new Random();
6          for (int i = 0; i < 10; i++) {
7              int randomInteger = random.nextInt(100);
8              System.out.println("Random Integer generated : " + randomInteger);
9              if((randomInteger%2) == 0) {
10                 SquareThread sThread = new SquareThread(randomInteger);
11                 sThread.start();
12             }
13             else {
14                 CubeThread cThread = new CubeThread(randomInteger);
15                 cThread.start();
16             }
17             try {
18                 Thread.sleep(1000);
19             }
20             catch (InterruptedException ex) {
21                 System.out.println(ex);
22             }
23         }
24     }
25 }
26
27 class SquareThread extends Thread {
28     int number;
29
30     SquareThread(int randomNumber) {
31         number = randomNumber;
32     }
33
34     public void run() {
35         System.out.println("Square of " + number + " = " + (number * number));
36     }
37 }
38
39 class CubeThread extends Thread {
40     int number;
41
42     CubeThread(int randomNumber) {
43         number = randomNumber;
44     }
45
46     public void run() {
47         System.out.println("Cube of " + number + " = " + number * number * number);
48     }
49 }
50
51 public class MultiThreadExample2 {
52     public static void main(String args[]) {
53         RandomNumberThread rnThread = new RandomNumberThread();
54         rnThread.start();
55     }
56 }

```

 Command Prompt

Microsoft Windows [Version 10.0.18363.1256]  
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C:\Users\rahul>cd C:\workspace

C:\workspace>javac MultiThreadExample2.java

C:\workspace>java MultiThreadExample2

Random Integer generated : 83

Cube of 83 = 571787

Random Integer generated : 58

Square of 58 = 3364

Random Integer generated : 99

Cube of 99 = 970299

Random Integer generated : 62

Square of 62 = 3844

Random Integer generated : 54

Square of 54 = 2916

Random Integer generated : 77

Cube of 77 = 456533

Random Integer generated : 27

Cube of 27 = 19683

Random Integer generated : 78

Square of 78 = 6084

Random Integer generated : 4

Square of 4 = 16

Random Integer generated : 87

Cube of 87 = 658503

C:\workspace>