

**Source Code:**

```
import java.util.Random;
class EvenThread extends Thread
{
    private int num;
    public EvenThread(int num)
    {
        this.num=num;
    }
    public void run()
    {
        System.out.println("Square Of "+num+" = "+num*num);
    }
}
class OddThread extends Thread
{
    private int num;
    public OddThread(int num)
    {
        this.num=num;
    }
    public void run()
    {
        System.out.println("Cube Of "+num+" = "+num*num*num);
    }
}
class RandomThread extends Thread
{
    public void run()
    {
        Random r = new Random();
        for (int i =0;i<10;i++)
        {
            int num = r.nextInt(100);
            if (num%2 == 0)
            {
                new EvenThread(num).start();
            }
            else
            {
                new OddThread(num).start();
            }
        }
    }
}
```

```
class MultiThreading
{
    public static void main(String args[])
    {
        RandomThread r = new RandomThread();
        r.start();
    }
}
```

### **Output:**

```
PS E:\Code\Java> cd "e:\Code\Java\" ; if ($?) { javac MultiThreading.java } ; if ($?) { java MultiThreading }
Cube Of 21 = 9261
Cube Of 75 = 421875
Cube Of 7 = 343
Cube Of 7 = 343
Square Of 38 = 1444
Square Of 92 = 8464
Square Of 62 = 3844
Cube Of 79 = 493039
Square Of 54 = 2916
Cube Of 29 = 24389
PS E:\Code\Java>
```