

```
import java.util.Random;
class Square implements Runnable
{
    Thread t2;
    int num;
    Square(int number)
    {
        num = number;
        t2=new Thread(this,"child thread");
        t2.start();
    }

    public void run()
    {
        System.out.println("Square of "+num+" = "+(num*num));
    }
}
class Cube implements Runnable
{
    Thread t3;
    int num;
    Cube(int number)
    {
        num = number;
        t3=new Thread(this,"child thread");
        t3.start();
    }

    public void run()
    {
        System.out.println("Cube of "+ num+" = "+(num*num*num));
    }
}
class RandomThread implements Runnable
{
    Thread t1;
    RandomThread()
    {
        t1=new Thread(this,"child thread");
        t1.start();
    }
    public void run()
    {
        Random randnum = new Random();
    }
}
```



```
}  
}  
class RandomThread implements Runnable  
{  
    Thread t1;  
    RandomThread()  
    {  
        t1=new Thread(this,"child thread");  
        t1.start();  
    }  
    public void run()  
    {  
        Random randnum = new Random();  
        for (int i = 0; i < 10; i++)  
        {  
            int n = randnum.nextInt(100);  
            System.out.println("Random Integer : " + n);  
            if((n%2) == 0)  
            {  
                Square s= new Square(n);  
            }  
            else  
            {  
                Cube c= new Cube(n);  
            }  
            try  
            {  
                Thread.sleep(1000);  
            }  
            catch (InterruptedException e)  
            {  
                System.out.println("Interrupted");  
            }  
        }  
    }  
}  
  
class Main5  
{  
    public static void main(String args[])  
    {  
        RandomThread r= new RandomThread();  
    }  
}
```



```
D:\java>java Main5
Random Integer : 37
Cube of 37 = 50653
Random Integer : 25
Cube of 25 = 15625
Random Integer : 5
Cube of 5 = 125
Random Integer : 13
Cube of 13 = 2197
Random Integer : 90
Square of 90 = 8100
Random Integer : 61
Cube of 61 = 226981
Random Integer : 85
Cube of 85 = 614125
Random Integer : 53
Cube of 53 = 148877
Random Integer : 36
Square of 36 = 1296
Random Integer : 24
Square of 24 = 576
```

```
D:\java>
```