```java
import java.util.Random;
class Thread3 implements Runnable
{
    Random r=new Random();
    Thread t;
    String name;
    int time,n;
    Thread3(String name,int time)
    {
        this.name=name;
        this.time=time;
        t=new Thread( target: this,name);
        t.start();
    }
    public void run()
    {
        try
        {
            Thread.sleep(time);
        }
        catch(InterruptedException ie)
        {
            System.out.println("Thread "+this.name+" got interrupted");
        }
    }
    int generate_n()
    {
```

```java
28              int number;
29              number=r.nextInt( bound: 10);
30              System.out.println("Thread "+this.name+" generated random number:"+number);
31              return number;
32          }
33          void squareNum(int n)
34          {
35              System.out.println("Thread "+this.name+" calculated square of the number "+n+" as:"+n*n);
36          }
37          void cubeNum(int n)
38          {
39              System.out.println("Thread "+this.name+" calculated cube of the number "+n+" as:"+n*n*n);
40          }
41      }
42  public class Week11extra2 {
43      public static void main(String[] args)
44      {
45          for (int i=0;i<10;i++)
46          {
47              Thread3 t1=new Thread3( name: "1", time: 1000);
48              t1.n= t1.generate_n();
49              if (t1.n%2==0)
50              {
51                  Thread3 t2=new Thread3( name: "2", time: 500);
52                  t2.squareNum(t1.n);
53              }
54              else
```

```java
public class Week11extra2 {
    public static void main(String[] args)
    {
        for (int i=0;i<10;i++)
        {
            Thread3 t1=new Thread3( name: "1", time: 1000);
            t1.n= t1.generate_n();
            if (t1.n%2==0)
            {
                Thread3 t2=new Thread3( name: "2", time: 500);
                t2.squareNum(t1.n);
            }
            else
            {
                Thread3 t3=new Thread3( name: "3", time: 500);
                t3.cubeNum(t1.n);
            }
        }
    }
}
```

```
Week11extra2 ×

"C:\Program Files\Java\jdk1.8.0_261\bin\java.exe" ...
Thread 1 generated random number:6
Thread 2 calculated square of the number 6 as:36
Thread 1 generated random number:4
Thread 2 calculated square of the number 4 as:16
Thread 1 generated random number:3
Thread 3 calculated cube of the number 3 as:27
Thread 1 generated random number:4
Thread 2 calculated square of the number 4 as:16
Thread 1 generated random number:0
Thread 2 calculated square of the number 0 as:0
Thread 1 generated random number:0
Thread 2 calculated square of the number 0 as:0
Thread 1 generated random number:9
Thread 3 calculated cube of the number 9 as:729
Thread 1 generated random number:9
Thread 3 calculated cube of the number 9 as:729
Thread 1 generated random number:8
Thread 2 calculated square of the number 8 as:64
Thread 1 generated random number:4
Thread 2 calculated square of the number 4 as:16

Process finished with exit code 0
```