```java
import java.util.Scanner;
public class Multithreading {
        public static void main(String[ ] args)
        {
                first t1=new first( );
                t1.start( ) ;
        }
}



class first extends Thread
{
        public void run( )
        {
                int num=0;
                Random r=new Random();
                try
                {
                        for(int i=0;i<=5;i++)
                        {
                                num=r.nextInt(10);
                                System.out.println("first thread generated num is ="+num);
                                Thread t2 = new Thread(new second(num));
                                t2.start();
                                Thread.sleep(1000);
                                Thread t3 = new Thread(new third(num));
                                t3.start();
                                Thread.sleep(1000);
                        }
                }

                catch(Exception e)
                {
                        System.out.println(e.getMessage());
                }
        }
}




class second implements Runnable
{
        int x;
        public second(int x)
        {
                this.x=x;
```

```java
            }

        public void run()
        {
                System.out.println("Second thread: Square of 2 num is"+(x*x));
        }
}

class third implements Runnable
{
        public int x;
        public third(int x)
        {
                this.x=x;
        }
        public void run()
        {
                System.out.println("Third thread: Cube of num is"+(x*x*x));
        }
}
```