import java.io.\*;

class T1 implements Runnable

{

int n;

T1(int p)

{

n=p;

}

public void run()

{

System.out.println("first thread started");

for(int i=0;i<n;i++)

{

System.out.println("Square of"+i+"is"+(i\*i));

}

System.out.println("First thread ended");

}

}

class T2 implements Runnable

{

int n;

T2(int p)

{

n=p;

}

public void run()

{

System.out.println("second thread started");

for(int i=0;i<n;i++)

{

System.out.println("cube of"+i+"is"+(i\*i\*i));

}

System.out.println("Second thread ended");

}

}

class T3 implements Runnable

{

int n;

T3(int p)

{

n=p;

}

public void run()

{

System.out.println("third thread started");

for(int i=0;i<n;i++)

{

System.out.println("Square root of"+i+"is"+Math.sqrt(i));

}

System.out.println("third thread ended");

}

}

class ThMethods

{

public static void main(String[] args)throws IOException{

int n;

DataInputStream in = new DataInputStream(System.in);

System.out.println("enter the value for n");

n=Integer.parseInt(in.readLine());

T1 obj1=new T1(n);

T2 obj2=new T2(n);

T3 obj3=new T3(n);

Thread obj4 = new Thread(obj1);

Thread obj5 = new Thread(obj2);

Thread obj6 = new Thread(obj3);

obj4.setPriority(3);

obj6.setPriority(10);

obj4.start();

obj5.start();

obj6.start();

}

}