import java.util.Random;

class Thread1 extends Thread{ private String name;

public Thread1(String name) { this.name = name;

}

public void run() {

Random rand = new Random(); try {

while(true) {

int val = rand.nextInt(10)+1; System.out.println("Input value "+val); if(val%2 == 0) {

new Thread2("Thread2",val).start();

}

else {

new Thread3("Thread3",val).start();

}

Thread.sleep(1000);

}

}

catch(InterruptedException ie) { ie.printStackTrace();

}

}

}

class Thread2 extends Thread{ public String name; private int value;

public Thread2(String name,int value) { super();

this.name = name; this.value = value;

}

public void run() {

int result = value \* value;

//int result = (int)Math.pow(value, 2); System.out.println(result);

}

}

class Thread3 extends Thread{ public String name; private int value;

public Thread3(String name,int value) { super();

this.name = name; this.value = value;

}

public void run() {

int result = value \* value \* value;

//int result = (int)Math.pow(value, 3); System.out.println(result);

}

}

public class Experiment11 {

public static void main(String[] args) {

// TODO Auto-generated method stub new Thread1("Thread1").start();

}

}