

OOJ

(After editing a bit)

> Threads

```
class Square extends Thread {
```

```
    int num;
```

```
    Square(int n) {
```

```
        num = n;
```

```
    }
```

```
    public void run() {
```

```
        setName("** Square Thread**");
```

```
        int sq = num * num;
```

```
        System.out.println(getName() + " Square of " + num +  
                             " = " + sq);
```

```
    }
```

```
}
```

```
class Cube extends Thread {
```

```
    int num2;
```

```
    Cube(int n2) {
```

```
        num2 = n2;
```

```
    }
```

```
    public void run() {
```

```
        setName("** Cube Thread**");
```

```
        int Cub = num2 * num2 * num2;
```

①

```
System.out.println(getName() + " *Cube of " + num2 + " = " + (cub
```

```
}  
}  
  
class LabTest2 {  
    public static void main (String args[]) {
```

```
        Thread t = Thread.currentThread();
```

```
        for(int i = 1; i <= 10; i++) {
```

```
            Square s = new Square(i);
```

```
            s.start();
```

```
            Cube c = new Cube(i);
```

```
            c.start();
```

```
        try {
```

```
            s.join();
```

```
            Thread.sleep(2000);
```

```
            System.out.println(getName() + " -- " + i);
```

```
        }
```

```
    }  
    catch (InterruptedException e1) {
```

```
        System.out.println(e1);
```

```
    }
```

```
}
```