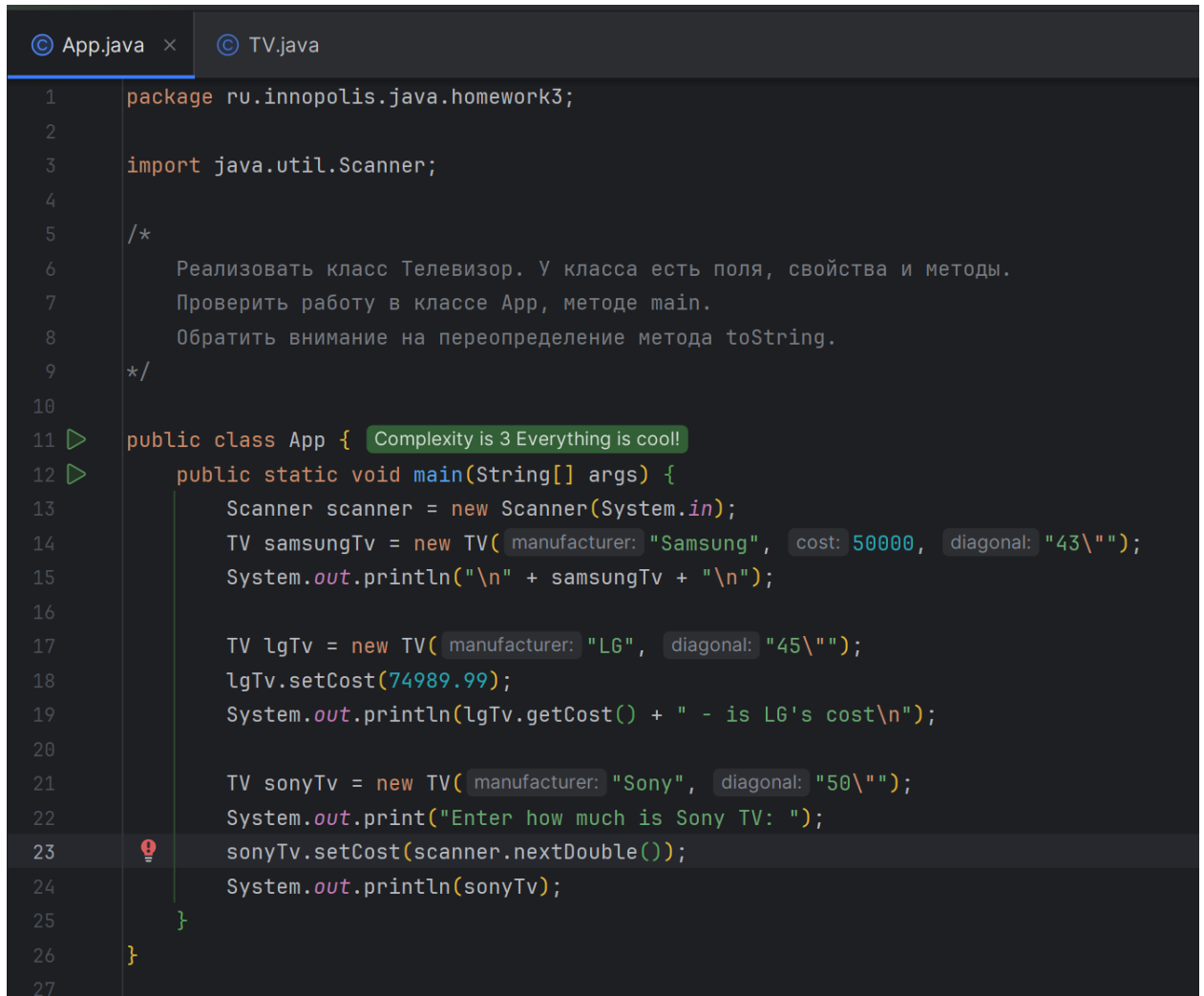


## Домашняя работа №3



```
1 package ru.innopolis.java.homework3;
2
3 import java.util.Scanner;
4
5 /*
6  Реализовать класс Телевизор. У класса есть поля, свойства и методы.
7  Проверить работу в классе App, методе main.
8  Обратить внимание на переопределение метода toString.
9  */
10
11 public class App { Complexity is 3 Everything is cool!
12     public static void main(String[] args) {
13         Scanner scanner = new Scanner(System.in);
14         TV samsungTv = new TV( manufacturer: "Samsung", cost: 50000, diagonal: "43\"");
15         System.out.println("\n" + samsungTv + "\n");
16
17         TV lgTv = new TV( manufacturer: "LG", diagonal: "45\"");
18         lgTv.setCost(74989.99);
19         System.out.println(lgTv.getCost() + " - is LG's cost\n");
20
21         TV sonyTv = new TV( manufacturer: "Sony", diagonal: "50\"");
22         System.out.print("Enter how much is Sony TV: ");
23         sonyTv.setCost(scanner.nextDouble());
24         System.out.println(sonyTv);
25     }
26 }
27
```

Рис. 1.1 Код класса Main

```
1 package ru.innopolis.java.homework3;
2
3 public class TV { Complexity is 3 Everything is cool!
4     private String manufacturer;
5     private double cost;
6     private String diagonal;
7     private boolean isOn;
8
9     public TV(String manufacturer, double cost, String diagonal) {
10         this.manufacturer = manufacturer;
11         this.cost = cost;
12         this.diagonal = diagonal;
13         this.isOn = false;
14     }
15
16     public TV(String manufacturer, String diagonal) {
17         this.manufacturer = manufacturer;
18         this.diagonal = diagonal;
19         this.isOn = false;
20     }
21 }
```

Рис. 1.2 Код класса TV

```
20 }
21
22     1 usage
23     public double getCost() {
24         return cost;
25     }
26
27     2 usages
28     public void setCost(double cost) {
29         this.cost = cost;
30     }
31
32     no usages
33     public void turnOn() {
34         this.isOn = true;
35     }
36
37     no usages
38     public void turnOff() {
39         this.isOn = false;
40     }
41
42     @Override
43     public String toString() {
44         return manufacturer + " - { " +
45             "cost=" + cost +
46             ", diagonal='" + diagonal + '\'' +
47             ", isOn=" + isOn +
48             " }";
49     }
50 }
```

Рис. 1.3 Код класса TV

```
C:\Users\rizva\.jdk\openjdk-21.0.2\bin\java.exe "-javaagent
Samsung - { cost=50000.0, diagonal='43"', isOn=false }
74989.99 - is LG's cost
Enter how much is Sony TV: 129999,99
Sony - { cost=129999.99, diagonal='50"', isOn=false }
Process finished with exit code 0
```

Рис. 1.4 Результат