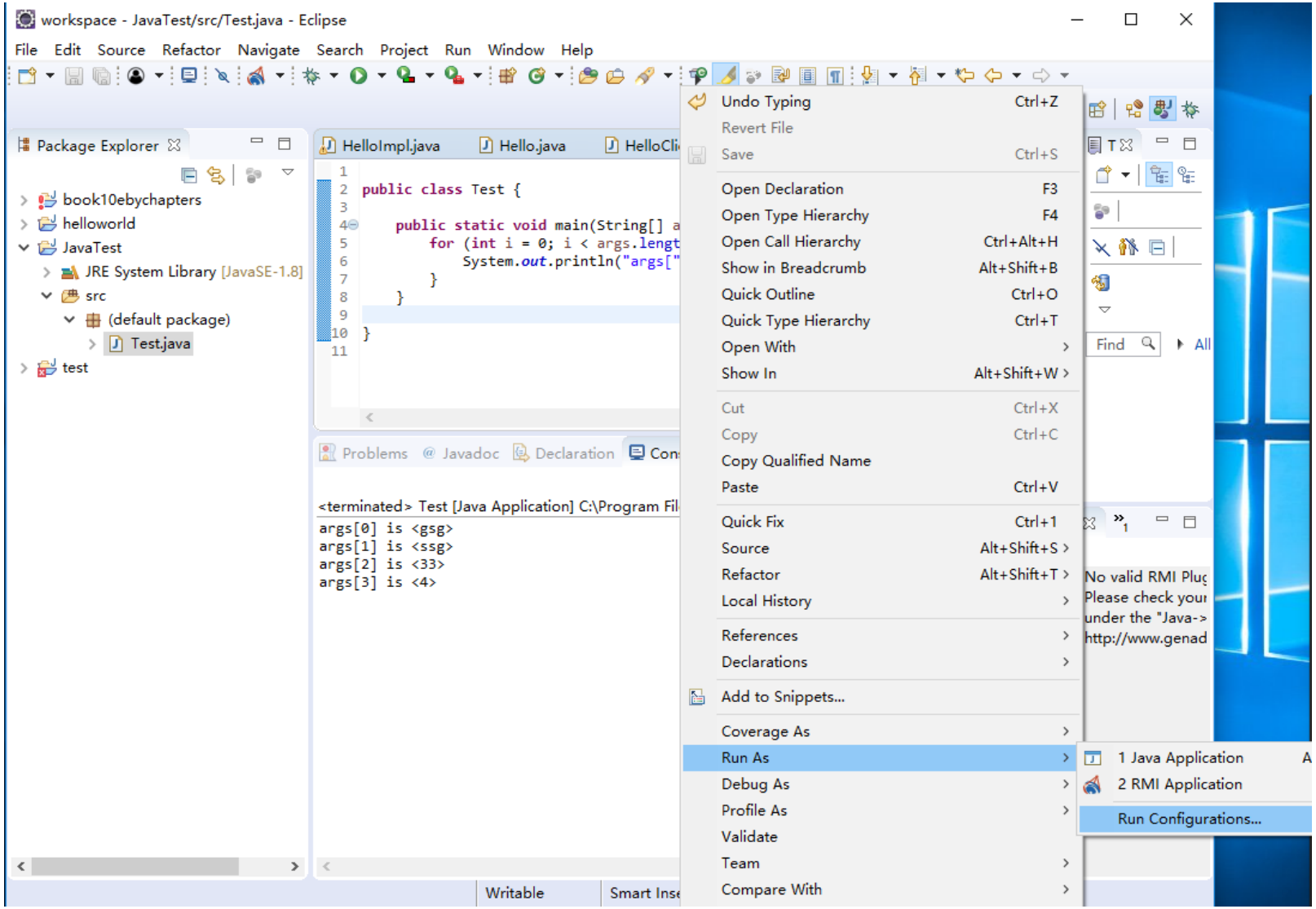
JAVA IO

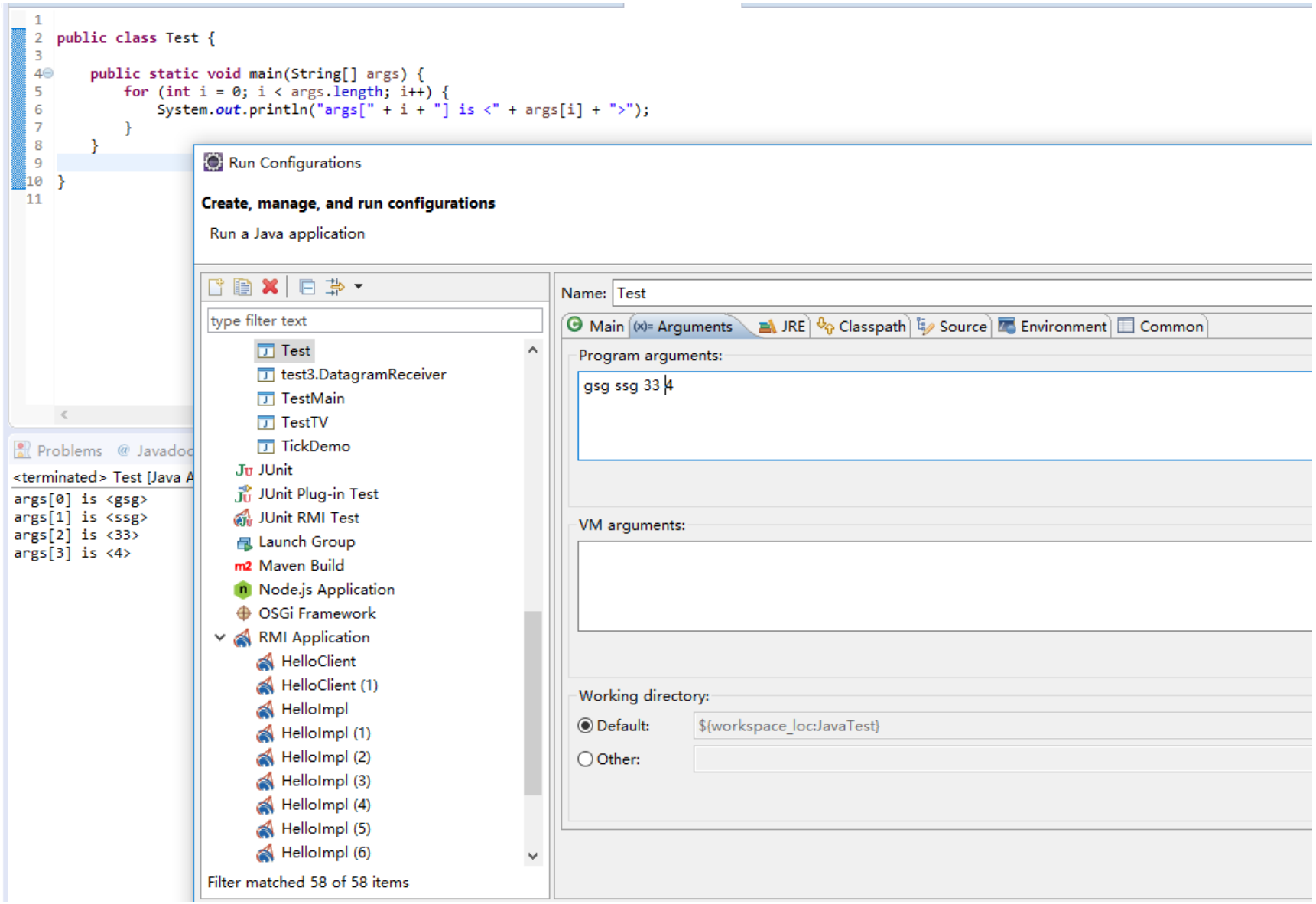
1. Command Line

```
public class Test {

  public static void main(String[] args) {
     for (int i = 0; i < args.length; i++) {
        System.out.println("args[" + i + "] is <" + args[i] + ">");
     }
  }

}
```

1. Command Line



1. Command Line



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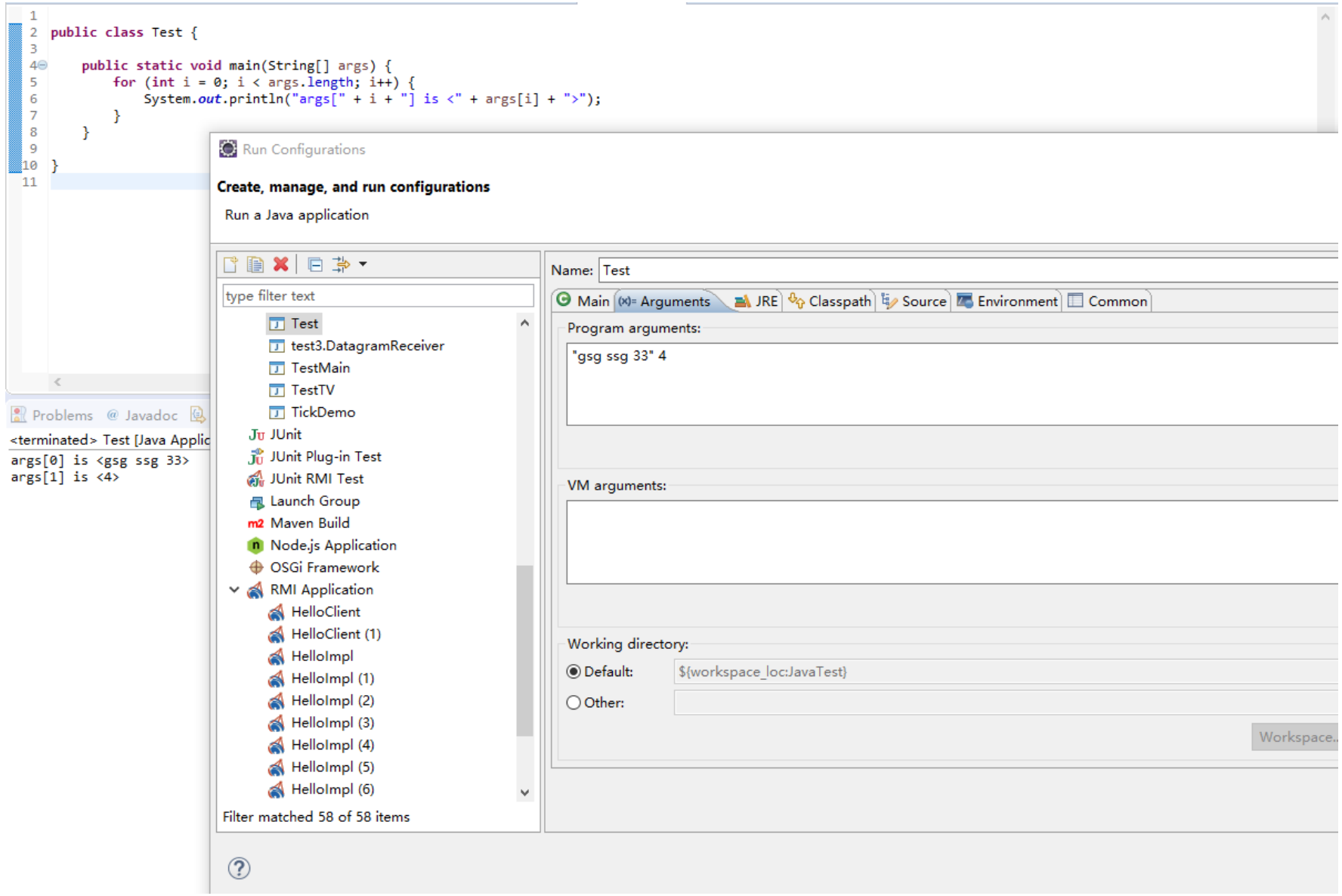

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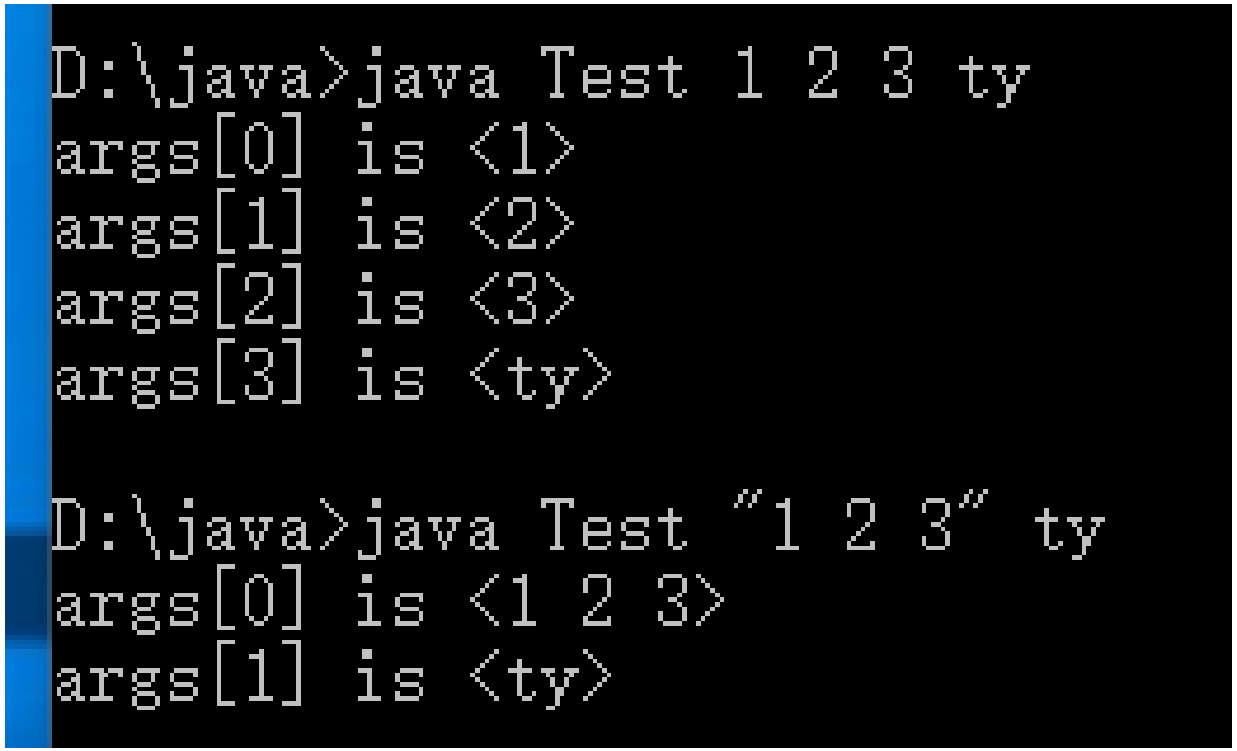
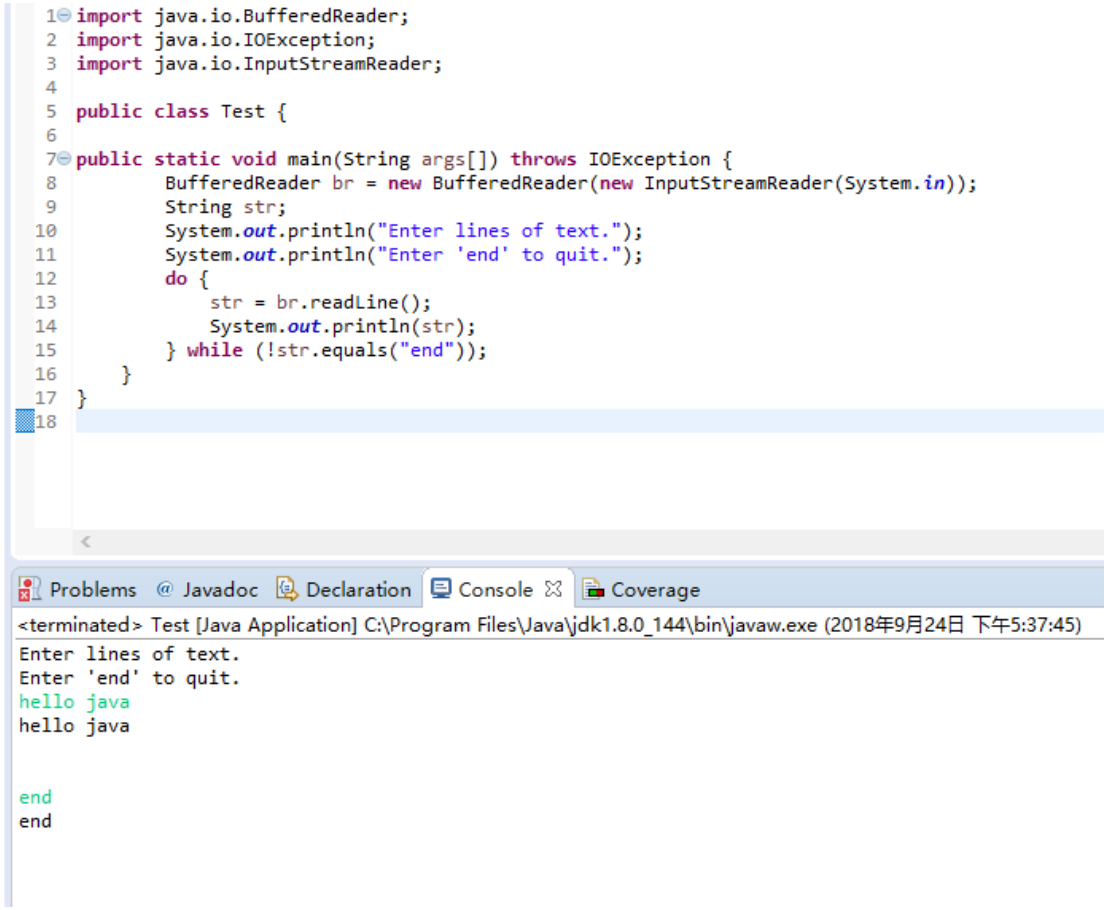


2. System.in

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;

public class Test {

public static void main(String args[]) throws IOException {
        BufferedReader br = new BufferedReader(new
         InputStreamReader(System.in));
        String str;
        System.out.println("Enter lines of text.");
        System.out.println("Enter 'end' to quit.");
        do {
            str = br.readLine();
            System.out.println(str);
        } while (!str.equals("end"));
    }
}
```

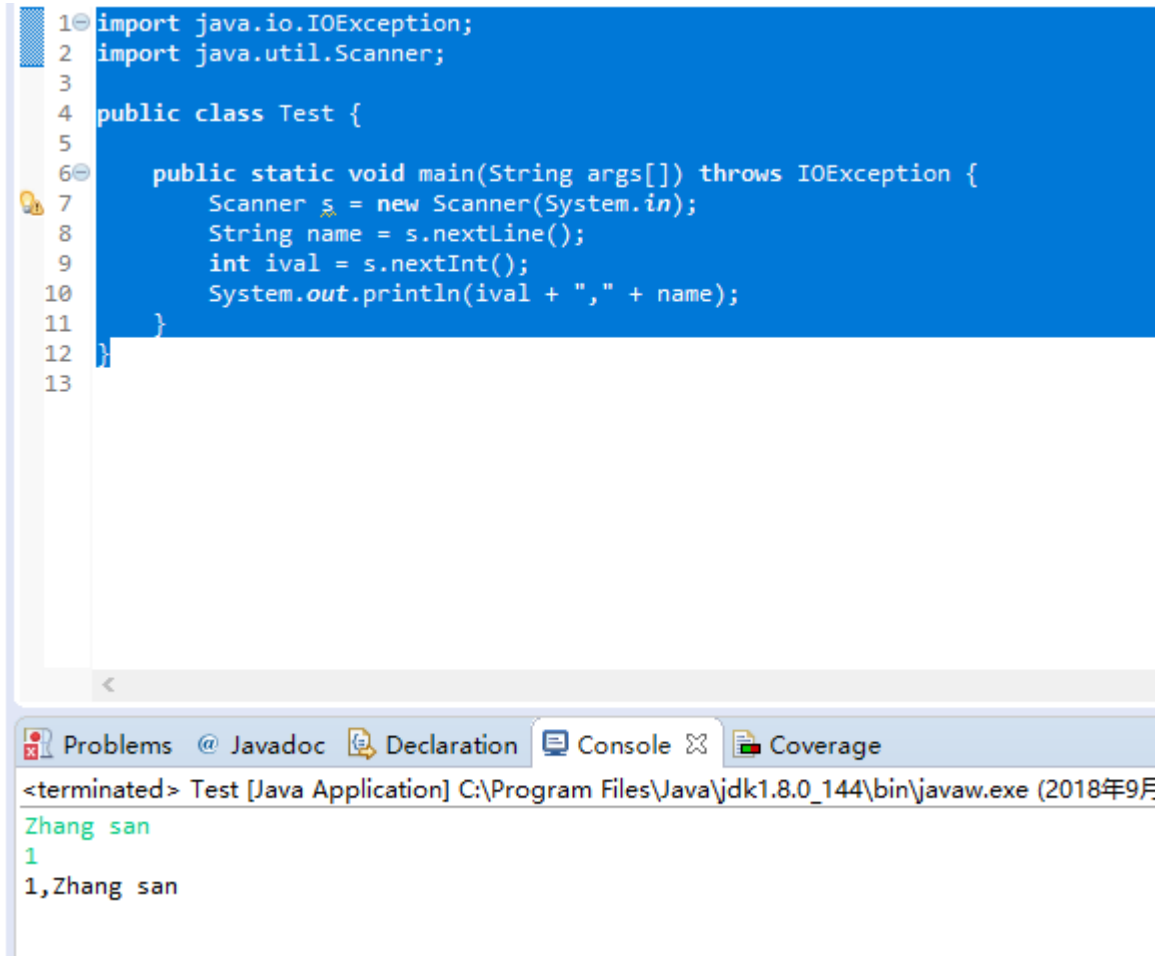


2. System.in

```
import java.io.IOException;
import java.util.Scanner;

public class Test {

public static void main(String args[]) throws
IOException {
  Scanner s = new Scanner(System.in);
  String name = s.nextLine();
  int ival = s.nextInt();
  System.out.println(ival + "," + name);
}
}
```



3. File I/O

```java
import java.io.*;

public class Test {
    public static void main(String args[]) {
        try { // 防止文件建立或读取失败，用catch捕捉错误并打印，也可以throw
                String pathname = "input.txt"; // 绝对路径或相对路径都可以，这里是绝对路径，写入文件时演示相对路径
                File filename = new File(pathname); // 要读取以上路径的input。txt文件
                /* 建立一个输入流对象reader */
                InputStreamReader reader = new InputStreamReader( new FileInputStream(filename));
                BufferedReader br = new BufferedReader(reader); // 建立一个对象，它把文件内容转成计算机能读懂的语言

                File writename = new File("output.txt"); // 相对路径，如果没有则要建立一个新的output。txt文件
                writename.createNewFile(); // 创建新文件
                BufferedWriter out = new BufferedWriter(new FileWriter(writename));

                String line = "";
                while (line != null) {
                    /* 读入TXT文件 */
                    line = br.readLine(); // 一次读入一行数据
                    if(line==null)break;
                    System.out.println(line);
                    /* 写入Txt文件 */
                    out.write(line+"\r\n"); // \r\n即为换行
                 }
                 br.close(); // 最后记得关闭文件
                 out.flush(); // 把缓存区内容压入文件
                 out.close(); // 最后记得关闭文件
        } catch (Exception e) {e.printStackTrace();}
    }
}
```