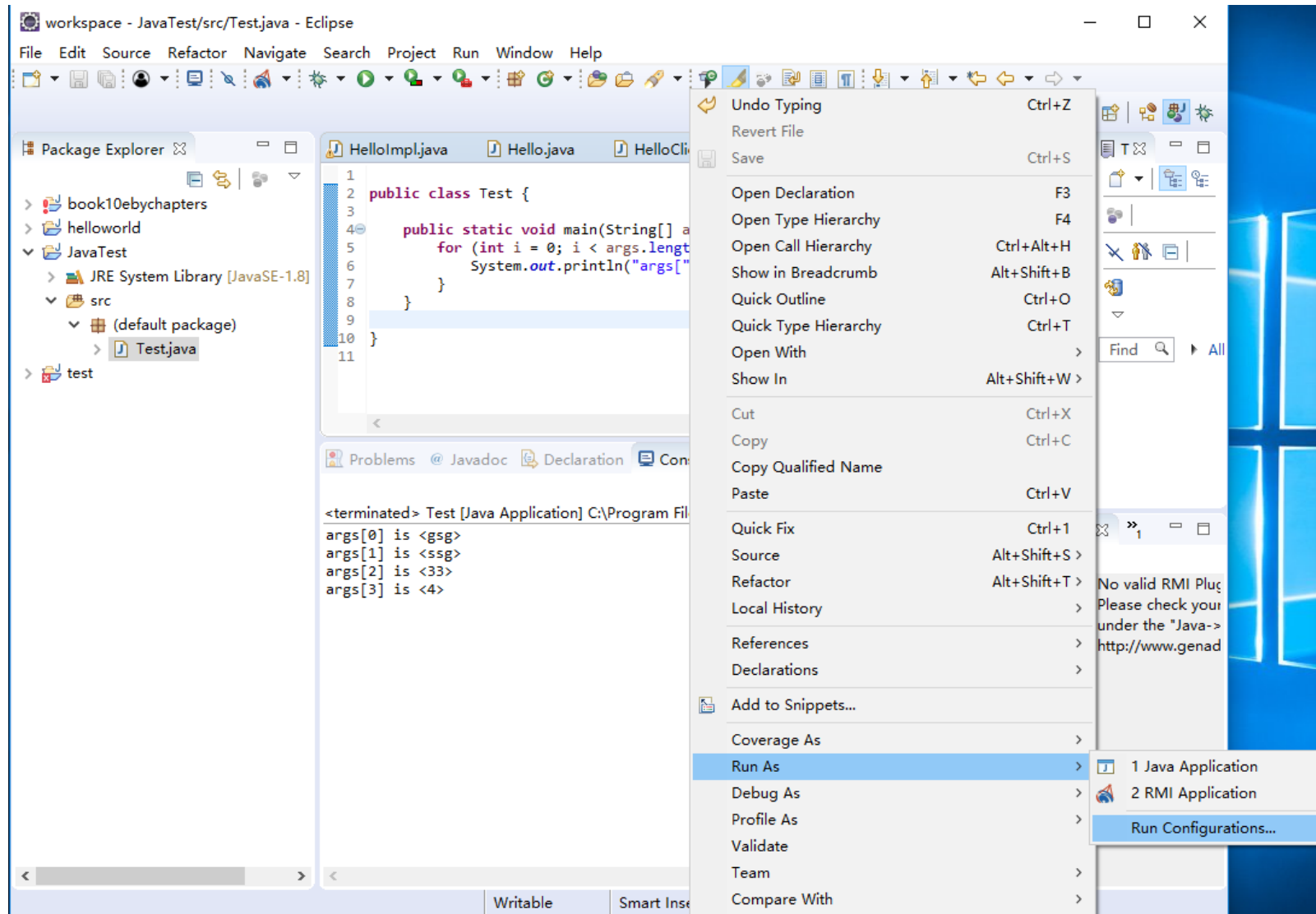


JAVA IO

# 1. Main() Parameters

```
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. Main() Parameters



# 1. Main() Parameters

The screenshot displays an IDE interface with a Java class named `Test` and its corresponding Run Configuration dialog.

**Java Class Code:**

```
1 public class Test {  
2  
3     public static void main(String[] args) {  
4         for (int i = 0; i < args.length; i++) {  
5             System.out.println("args[" + i + "] is <" + args[i] + ">");  
6         }  
7     }  
8 }  
9  
10  
11
```

**Run Configurations Dialog:**

- Name:** Test
- Program arguments:** gsg ssg 33 4
- VM arguments:** (empty)
- Working directory:** ☒ Default: \${workspace\_loc:JavaTest} ☐ Other: (empty)

**Problems View:**

```
<terminated> Test [Java A  
args[0] is <gsg>  
args[1] is <ssg>  
args[2] is <33>  
args[3] is <4>
```

**Run Configurations List:**

- Test
- test3.DatagramReceiver
- TestMain
- TestTV
- TickDemo
- JUnit
- JUnit Plug-in Test
- JUnit RMI Test
- Launch Group
- Maven Build
- Node.js Application
- OSGi Framework
- RMI Application
  - HelloClient
  - HelloClient (1)
  - HelloImpl
  - HelloImpl (1)
  - HelloImpl (2)
  - HelloImpl (3)
  - HelloImpl (4)
  - HelloImpl (5)
  - HelloImpl (6)

Filter matched 58 of 58 items

# 1. Main() Parameters

The screenshot displays an IDE interface with a Java source file and its corresponding Run Configuration dialog.

**Source File:**

```
1 public class Test {  
2  
3  
4     public static void main(String[] args) {  
5         for (int i = 0; i < args.length; i++) {  
6             System.out.println("args[" + i + "] is <" + args[i] + ">");  
7         }  
8     }  
9  
10 }  
11
```

**Run Configurations Dialog:**

- Title:** Run Configurations
- Subtitle:** Create, manage, and run configurations
- Section:** Run a Java application
- Name:** Test
- Tab:** Main (x) Arguments
- Program arguments:** "gsg ssg 33" 4
- VM arguments:**
- Working directory:**
  - ☒ Default: \${workspace\_loc:JavaTest}
  - ☐ Other:

**Problems View:**

```
<terminated> Test [Java Applic  
args[0] is <gsg ssg 33>  
args[1] is <4>
```

**Project Explorer:**

- Test
- test3.DatagramReceiver
- TestMain
- TestTV
- TickDemo
- JUnit
- JUnit Plug-in Test
- JUnit RMI Test
- Launch Group
- Maven Build
- Node.js Application
- OSGi Framework
- RMI Application
  - HelloClient
  - HelloClient (1)
  - HelloImpl
  - HelloImpl (1)
  - HelloImpl (2)
  - HelloImpl (3)
  - HelloImpl (4)
  - HelloImpl (5)
  - HelloImpl (6)

Filter matched 58 of 58 items

# 1. Main() Parameters

```
D:\java>java Test 1 2 3 ty
args[0] is <1>
args[1] is <2>
args[2] is <3>
args[3] is <ty>
```

```
D:\java>java Test "1 2 3" ty
args[0] is <1 2 3>
args[1] is <ty>
```

## 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"));
    }
}
```

```
1 import java.io.BufferedReader;
2 import java.io.IOException;
3 import java.io.InputStreamReader;
4
5 public class Test {
6
7     public static void main(String args[]) throws IOException {
8         BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
9         String str;
10        System.out.println("Enter lines of text.");
11        System.out.println("Enter 'end' to quit.");
12        do {
13            str = br.readLine();
14            System.out.println(str);
15        } while (!str.equals("end"));
16    }
17 }
18
```

Problems @ Javadoc Declaration Console Coverage

<terminated> Test [Java Application] C:\Program Files\Java\jdk1.8.0\_144\bin\javaw.exe (2018年9月24日 下午5:37:45)

Enter lines of text.  
Enter 'end' to quit.  
hello java  
hello java

end  
end

## 2. System.in

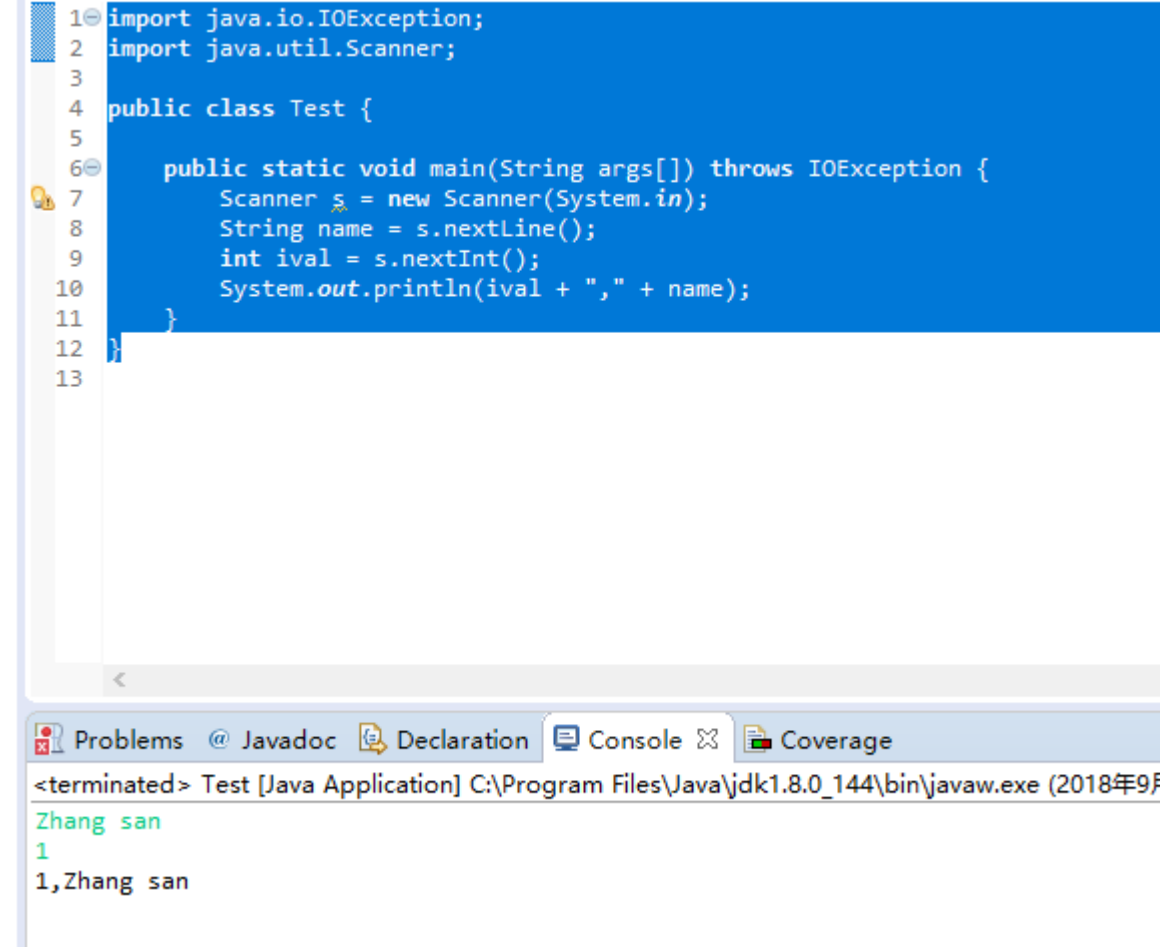
```
import java.io.IOException;
import java.util.Scanner;
```

```
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);
```

```
    }
}
```



The screenshot shows an IDE with a Java file named 'Test.java'. The code is as follows:

```
1 import java.io.IOException;
2 import java.util.Scanner;
3
4 public class Test {
5
6     public static void main(String args[]) throws IOException {
7         Scanner s = new Scanner(System.in);
8         String name = s.nextLine();
9         int ival = s.nextInt();
10        System.out.println(ival + "," + name);
11    }
12 }
13
```

Below the code editor, the 'Console' tab is active, showing the output of the program:

```
<terminated> Test [Java Application] C:\Program Files\Java\jdk1.8.0_144\bin\javaw.exe (2018年9月)
Zhang san
1
1,Zhang san
```



# 3. File I/O

```
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();}
    }
}
```