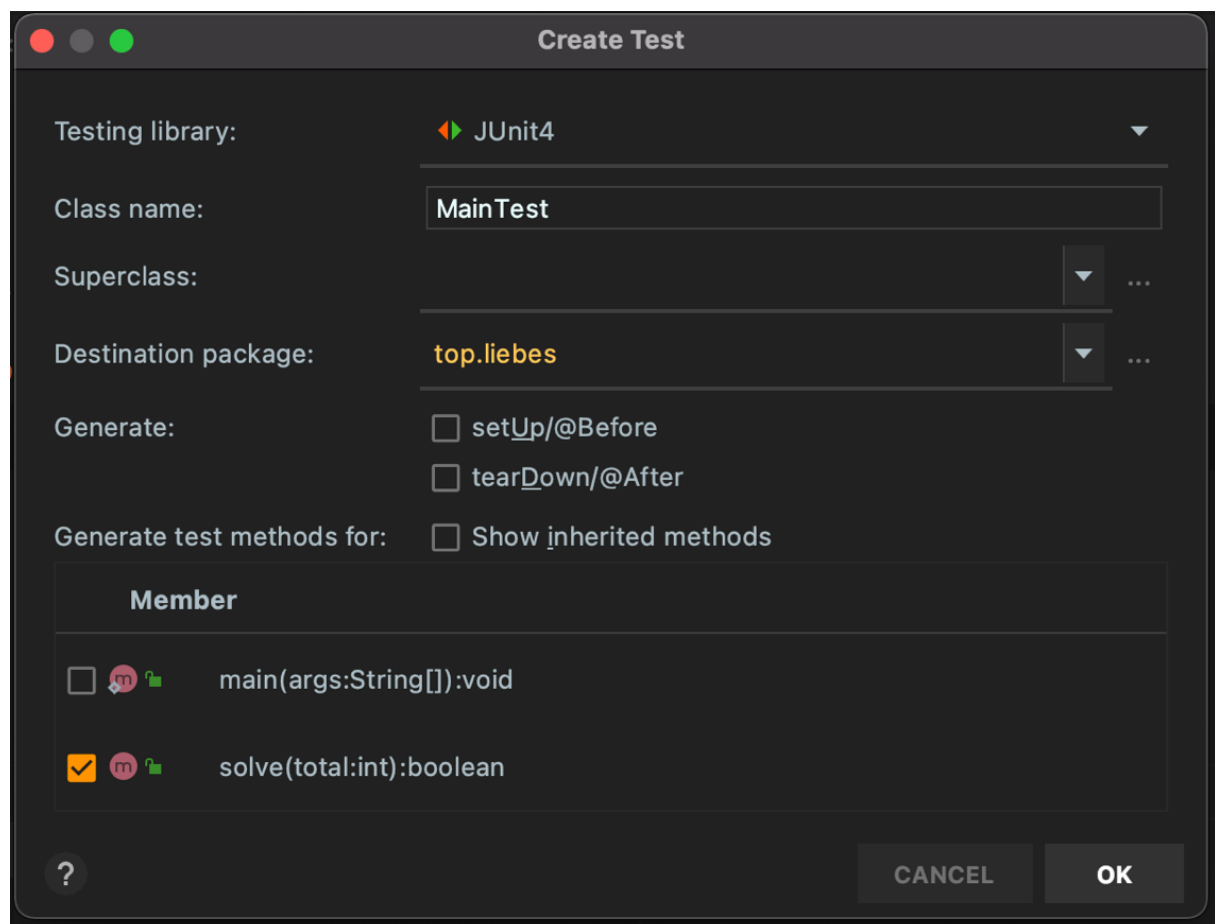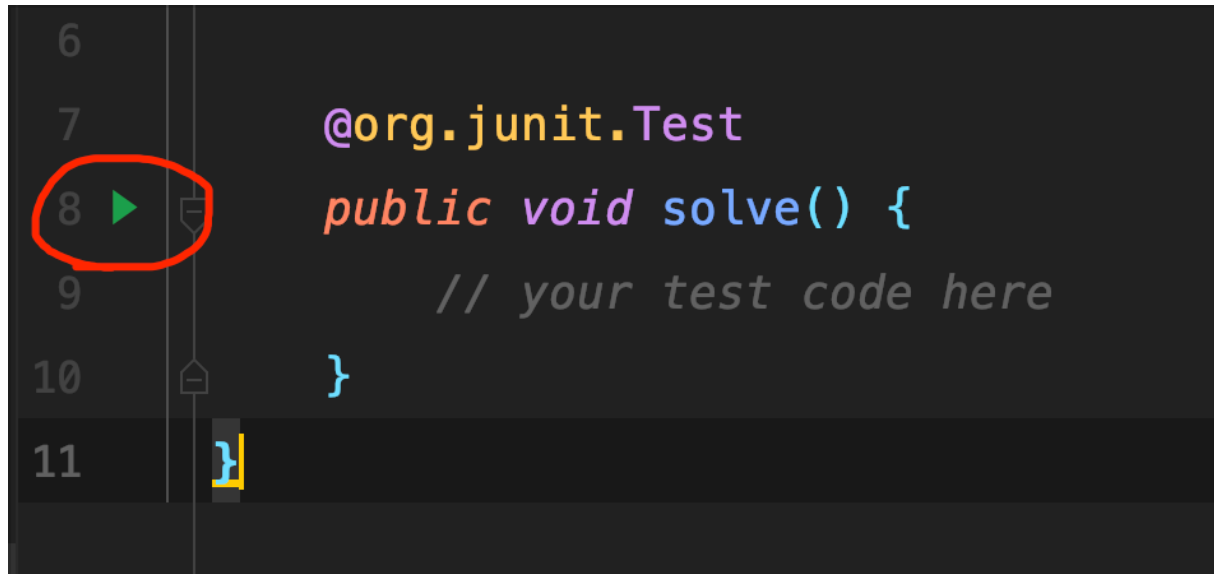# JaCoCo usage for IDEA

1. Write the program according to the instruction of Lab2.

```java
/**
 * sample program
 * @param total input parameters
 * @return output
 */
public boolean solve(int total){
    // your code here
    return false;
}
```
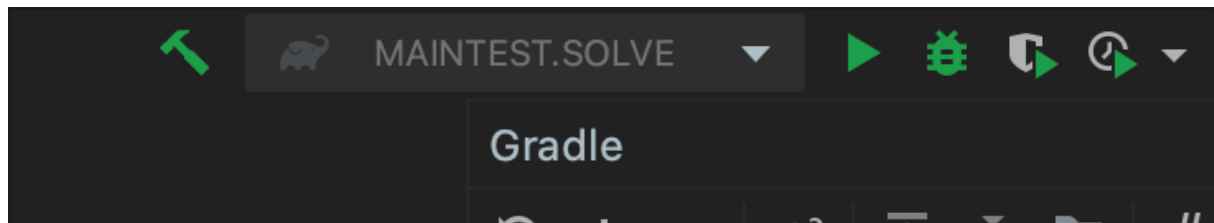
2. Press Cmd + n (for MacOS) or Ctrl + n (for Windows) in your source file, then choose `Test…` option.Choose JUnit4 and the function you need to test.
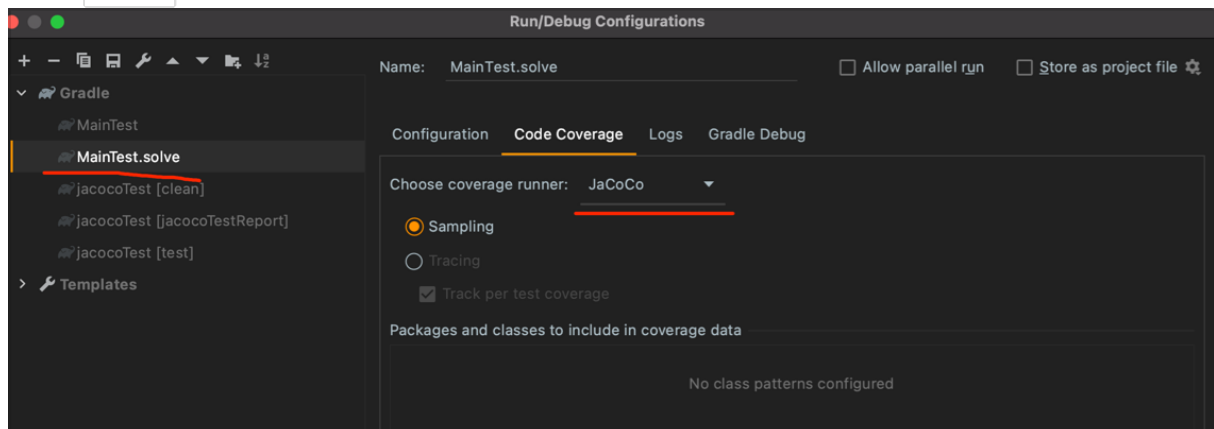
3. Press the button to run the test.

4. Now a new configuration will be generated on the left top of the editor.

5. Click the list and press `Edit Configuration`, change default coverage tool to `Jacoco`, and press `Apply`.

6. Back to the running button, right click it, and choose `Run with coverage` and every thing will be ok.

```
 7          @org.junit.Test
 8     ▶    public void solve() {
 9
10
11
```

▶ Run 'MainTest.solve'   ⌃⇧R
🐞 Debug 'MainTest.solve'   ⌃⇧D
🛡▶ Run 'MainTest.solve' with Coverage
⏱▶ Run 'MainTest.solve' with 'CPU Profiler'
🗂▶ Run 'MainTest.solve' with 'Allocation Profiler'
⏱▶ Run 'MainTest.solve' with 'Java Flight Recorder'

🔧 Modify Run Configuration...