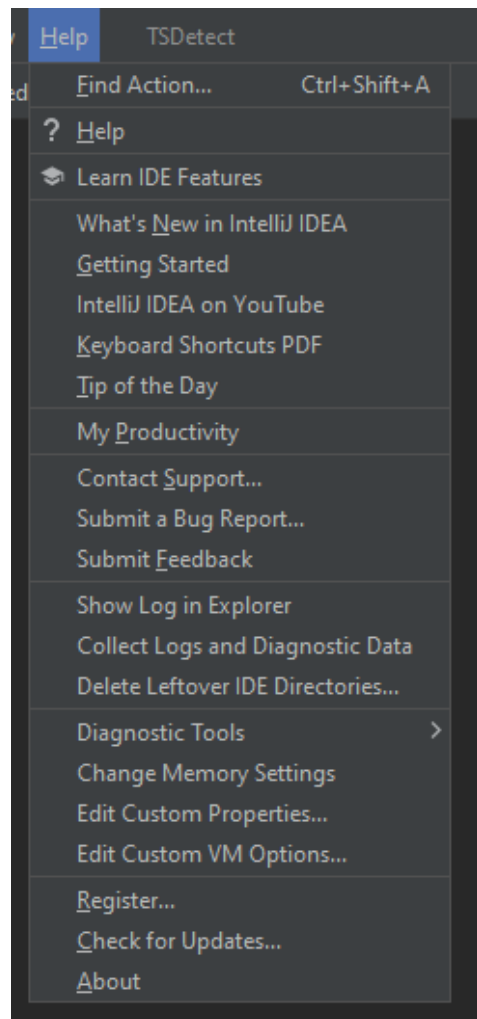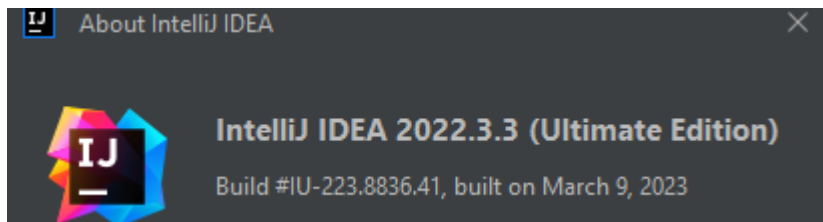# Unit Tests – Setup

Setup

Prerequisites

IntelliJ Version

Please make sure that your version of
IntelliJ is at least 2022.3.3

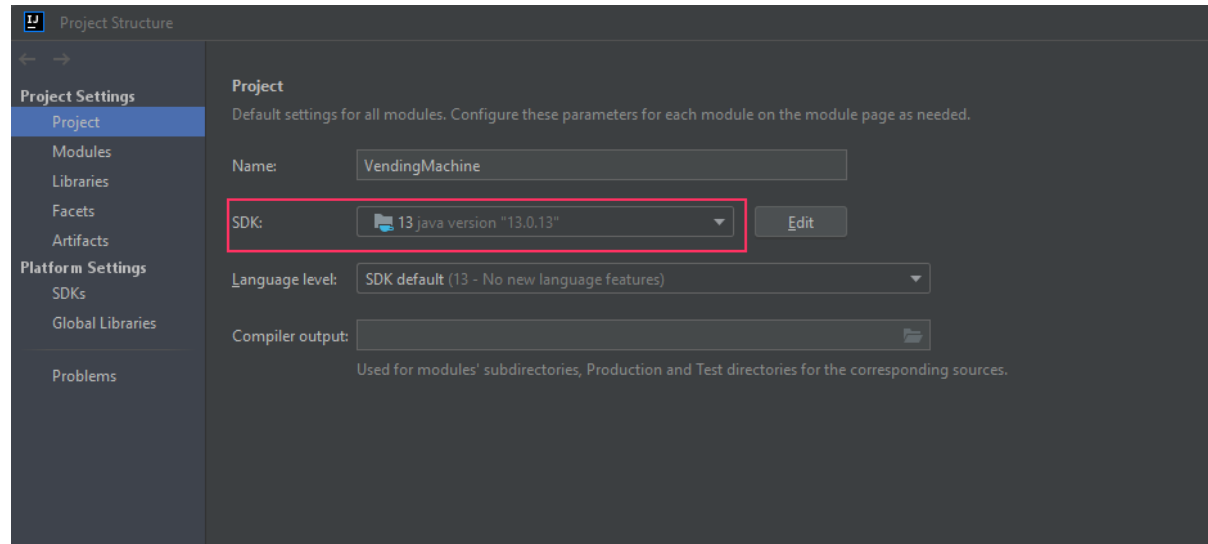to find the version: from the top/main
menu: Help → About

Prerequisites

Java SDK

Ensure Java SDK is installed on the computer and IntelliJ is made aware of it.

From the top/main menu: File → Project Structure → Project

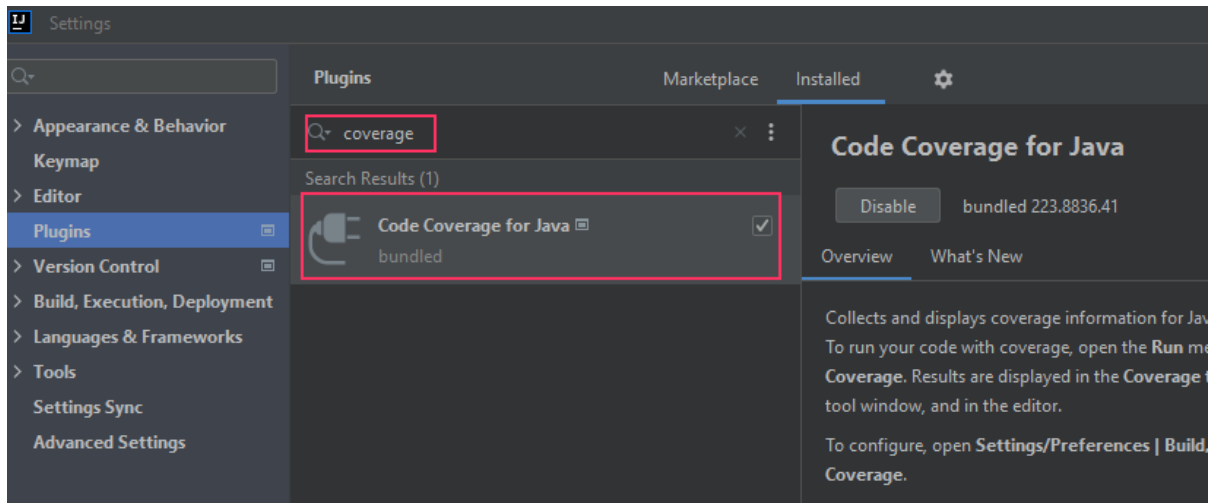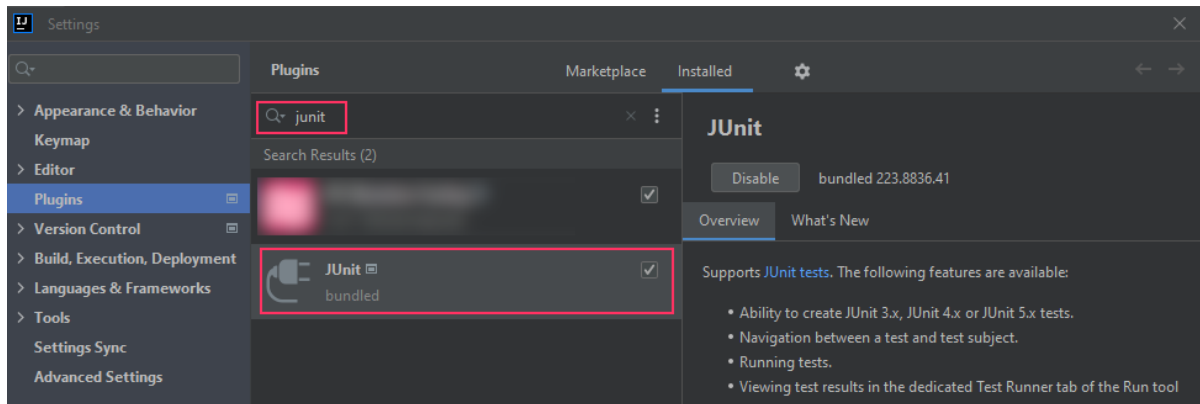The assignments in these projects have been verified against Java SDK 13

Prerequisites

Unit testing plugins

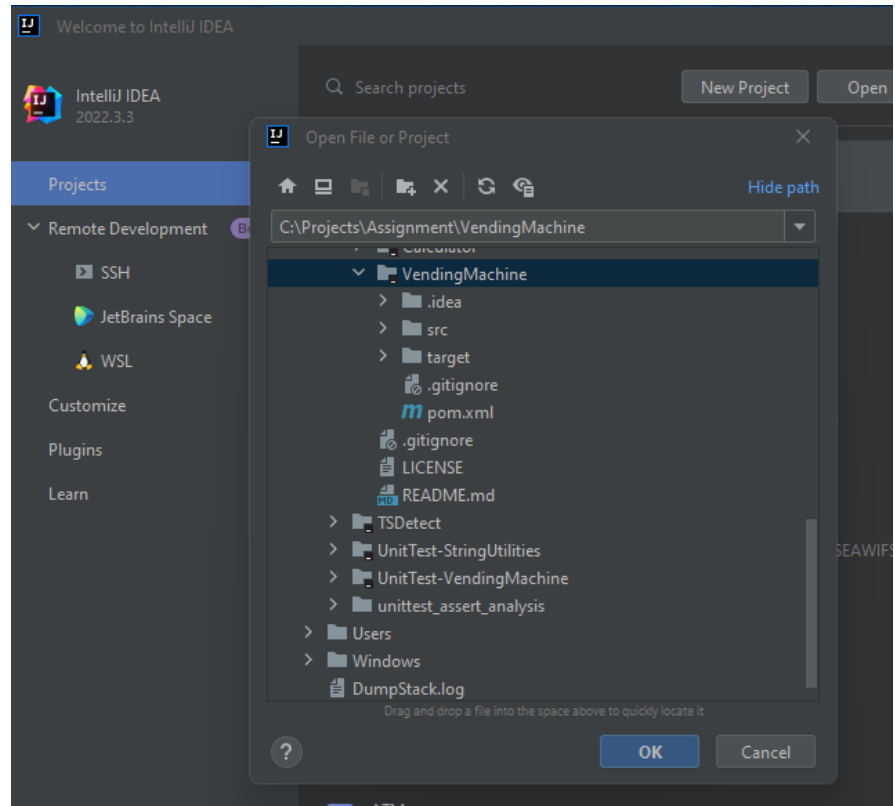Ensure that you have the following two plugins installed (they are part of the default IntelliJ install)

1) JUnit
2) Code Coverage for Java

To access plugins: from the top/main menu: File → Settings → Plugins
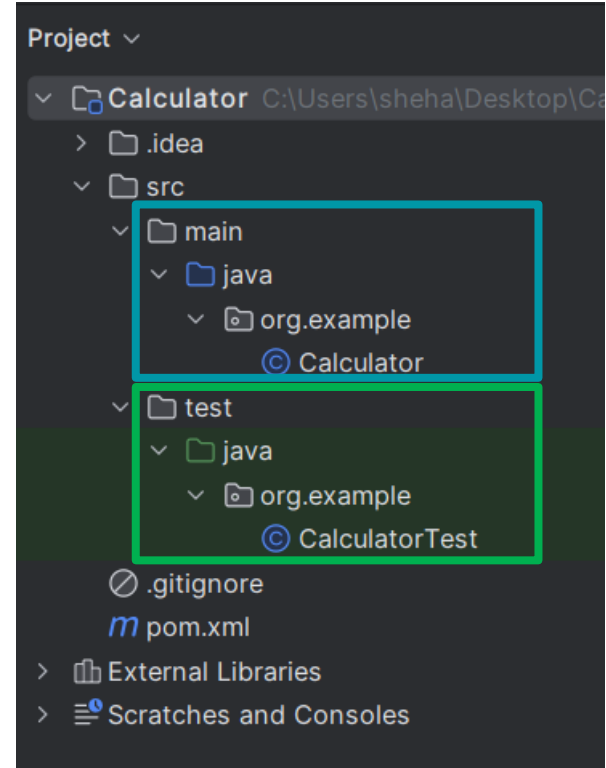
Open the project in IntelliJ

Select the root folder and click the "OK" button

Project structure

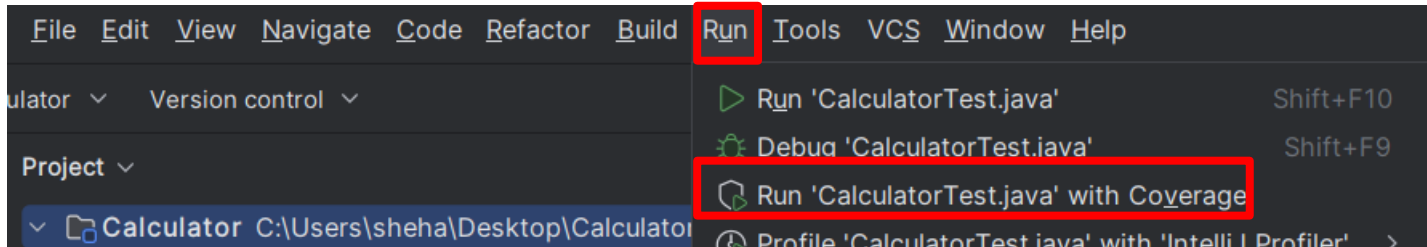The source/production code is contained under: src/main/java

The test code is contained under: src/test/java

Sample Screenshot

Running tests with code coverage
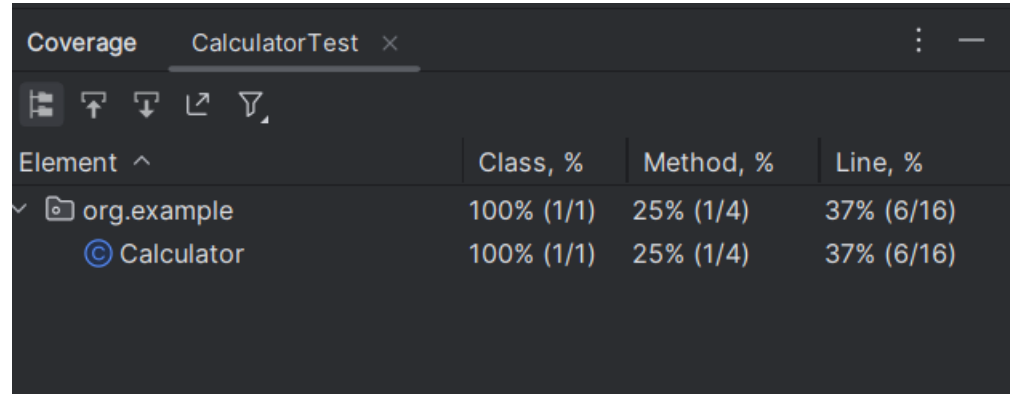
1) Select the root directory
2) From the top/main menu:
   Run → Run All in <project>
   with Coverage

Sample Screenshot

Show code coverage

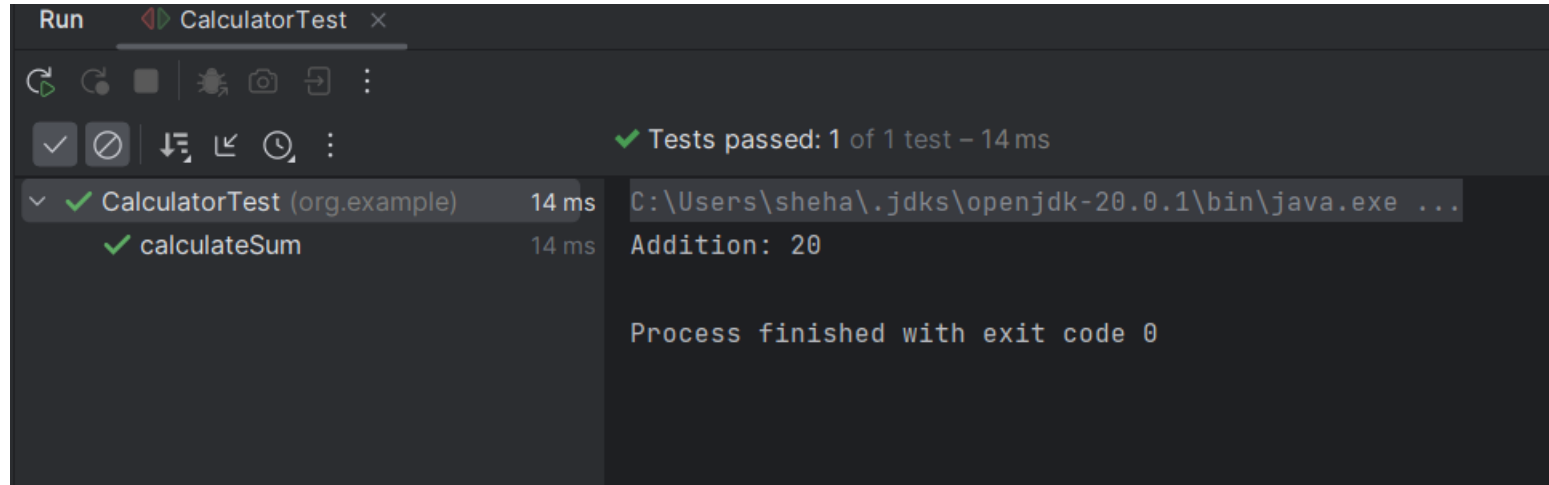The Coverage window should automatically show. If this does not happen, then from the top menu: Run → Show Coverage Data

Sample Screenshot

View status of tests

To see an overview of the tests that
are passing and failing, select the
"Run" tool pane (that is usually visible
at the bottom of the screen)

Sample Screenshot