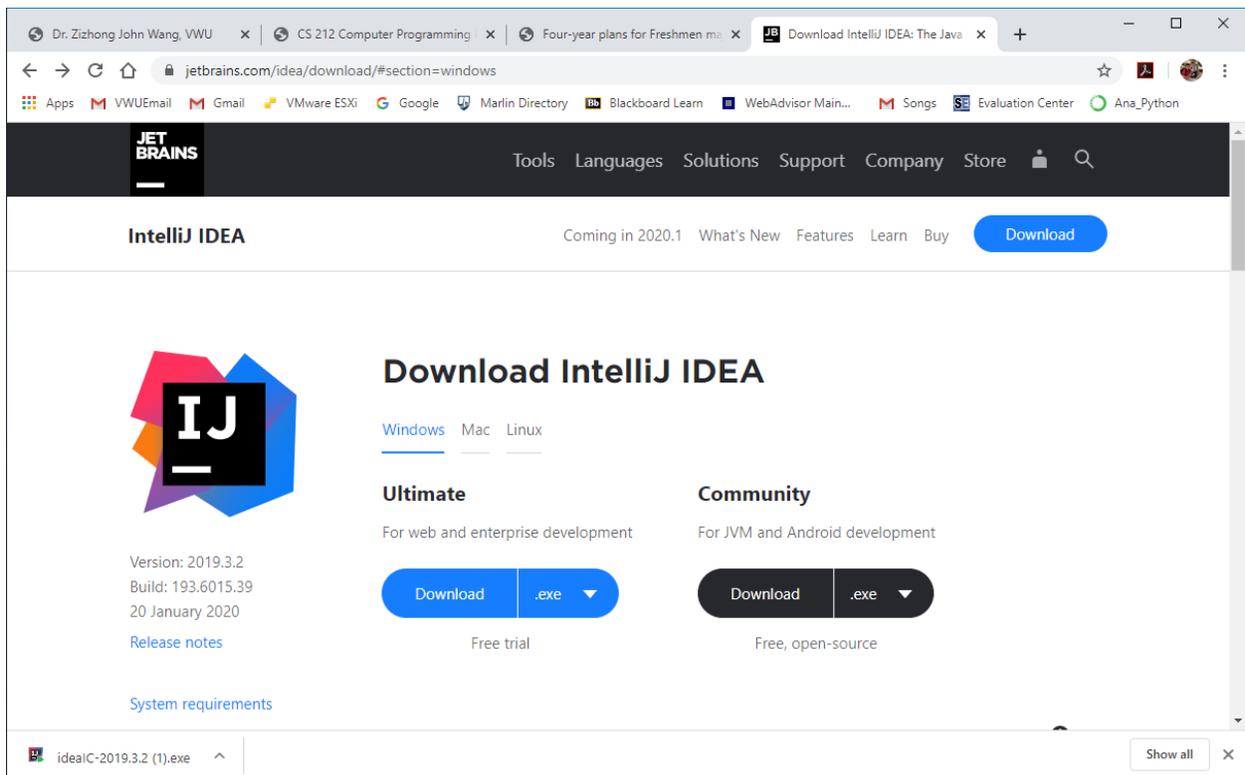# Install the IntelliJ IDEA and Run Java

For Windows OS, Mac book, and Linux users

Download website shown below. *Alternative*: check YouTube for more info.

https://www.jetbrains.com/idea/download/#section=windows

Select Community - Download

You could select "Skip Remain and Set Default". In case of selecting "Next: Default plugins", the following screen-shots are included without selecting anything.

Customize IntelliJ IDEA

Tune IDEA to your tasks

IDEA has a lot of tools enabled by default. You can set only ones you need or leave them all.

Build Tools

Ant, Maven, Gradle-Java

Customize... Disable All

Version Controls

Git, GitHub, Mercurial, Subversion

Customize... Disable All

Test Tools

JUnit, TestNG, Coverage

Customize... Disable All

Swing

UI Designer

Disable

Android

Android

Disable

Other Tools

Bytecode Viewer, Eclipse Interoperability...
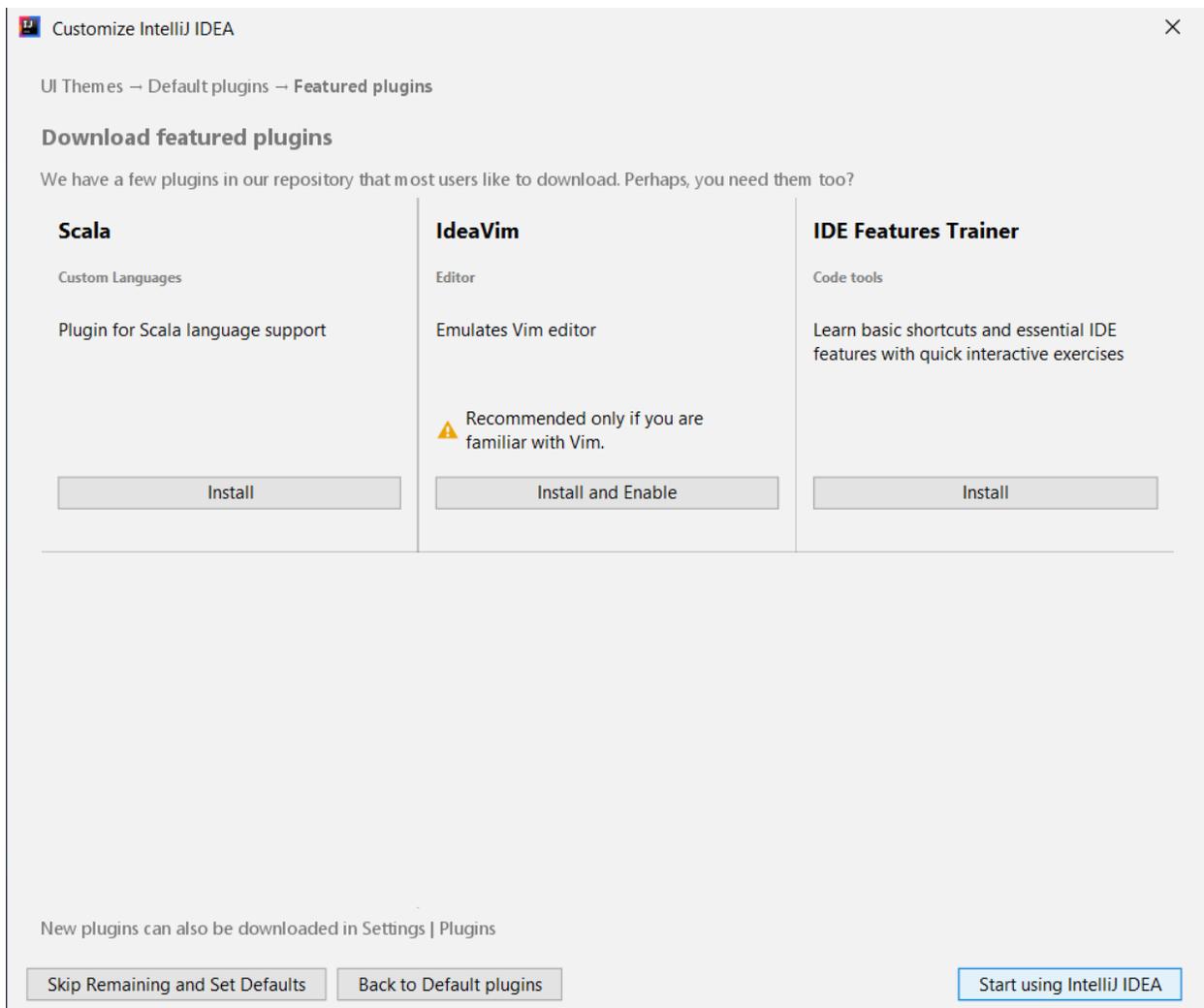
Customize... Disable All

Plugin Development
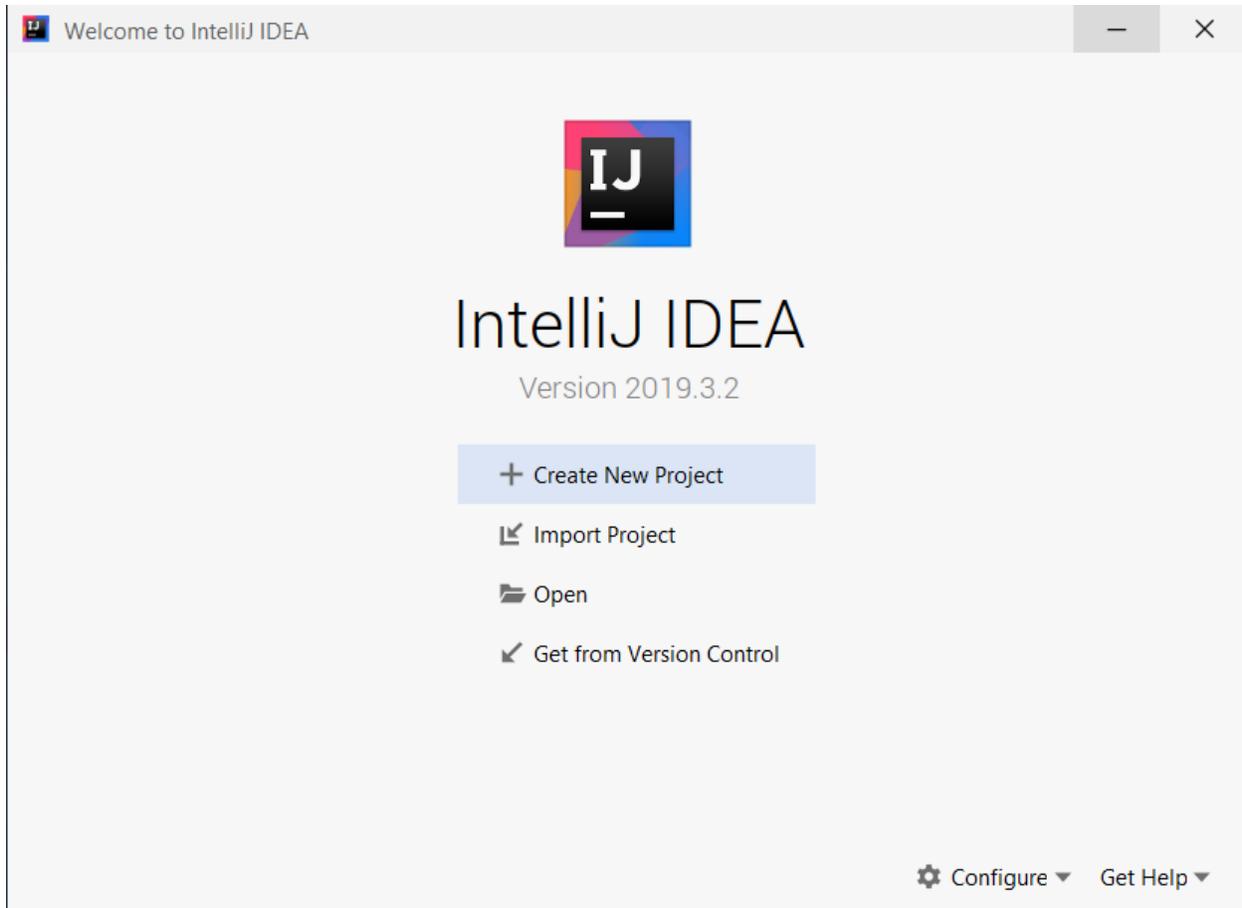
Plugin DevKit

Disable

Skip Remaining and Set Defaults | Back to UI Themes

Next: Featured plugins

Congratulations for completing the installation!
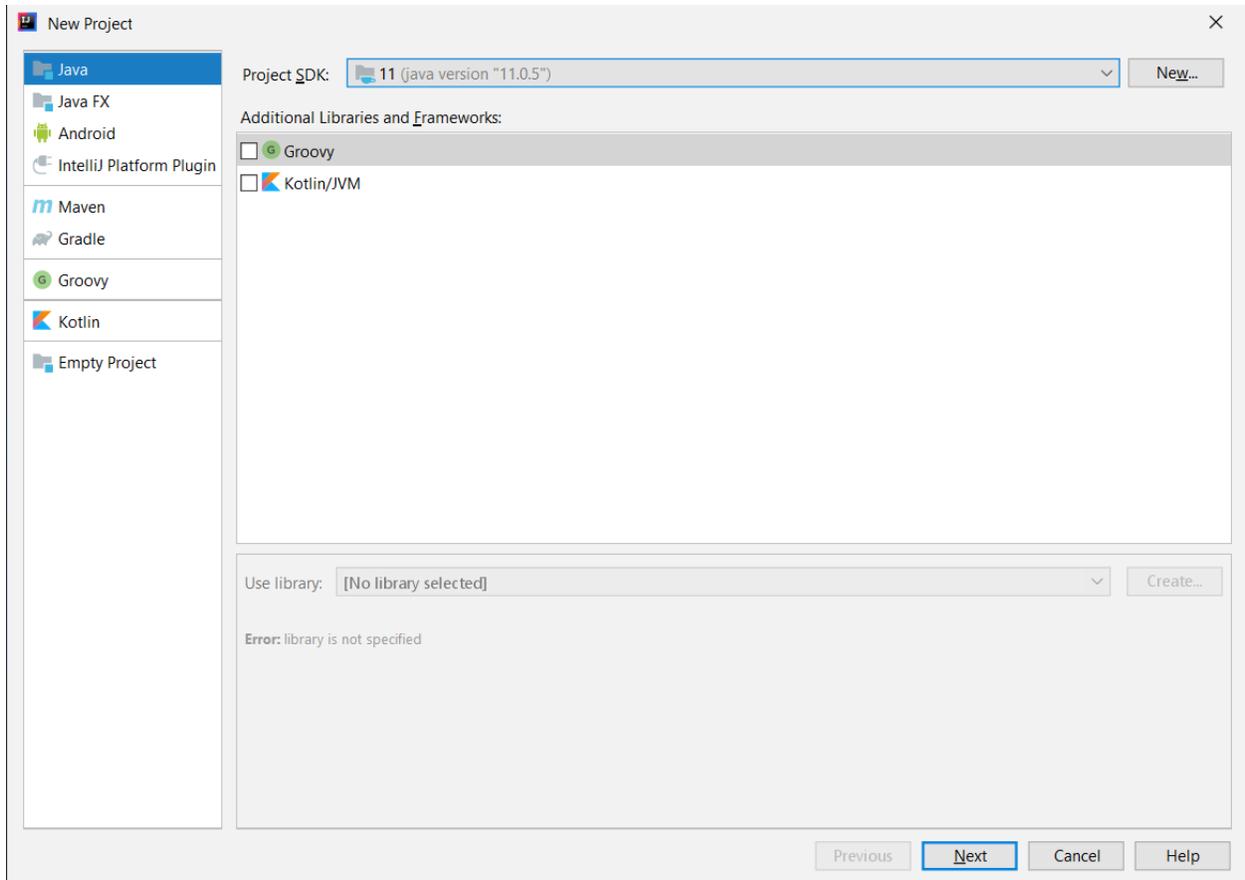
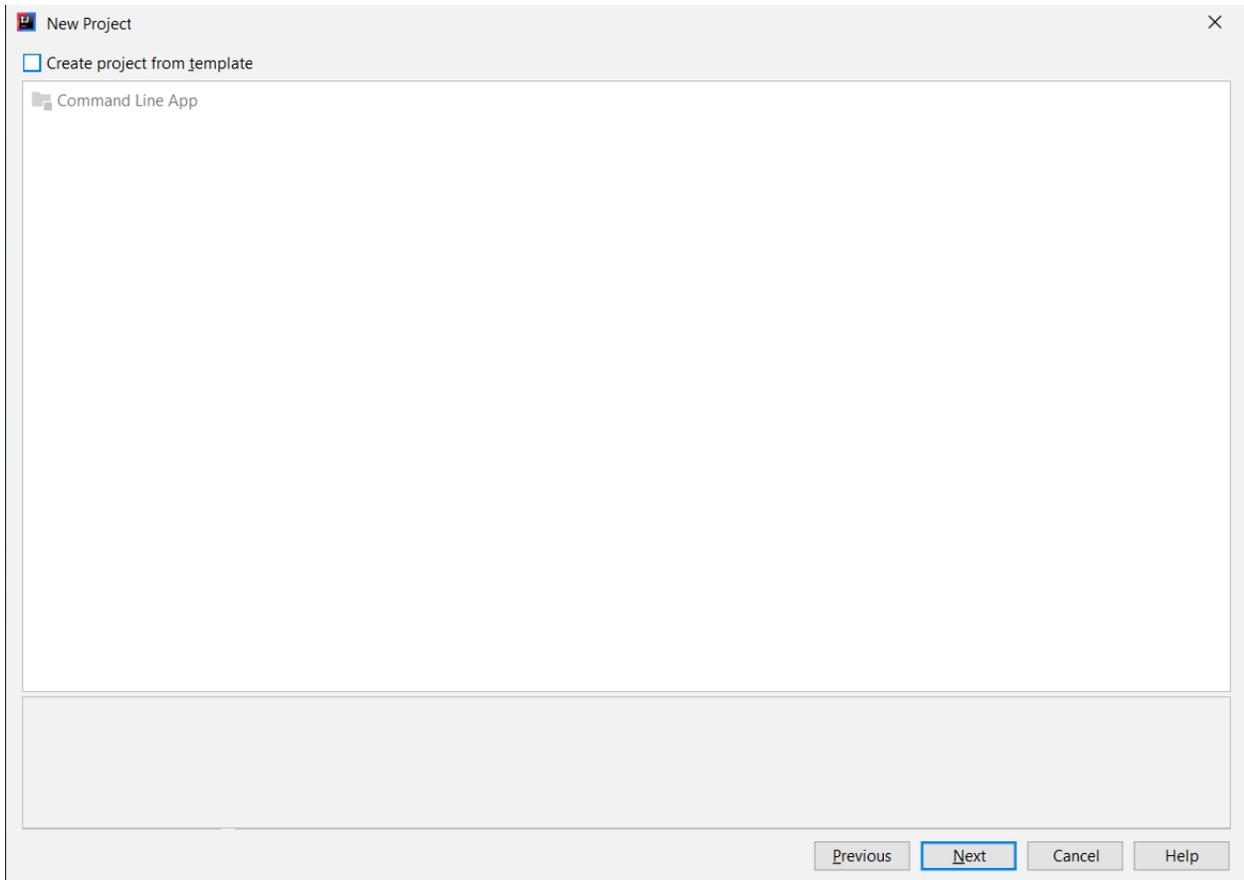Next steps show how to run Java on IntelliJ IDEA.

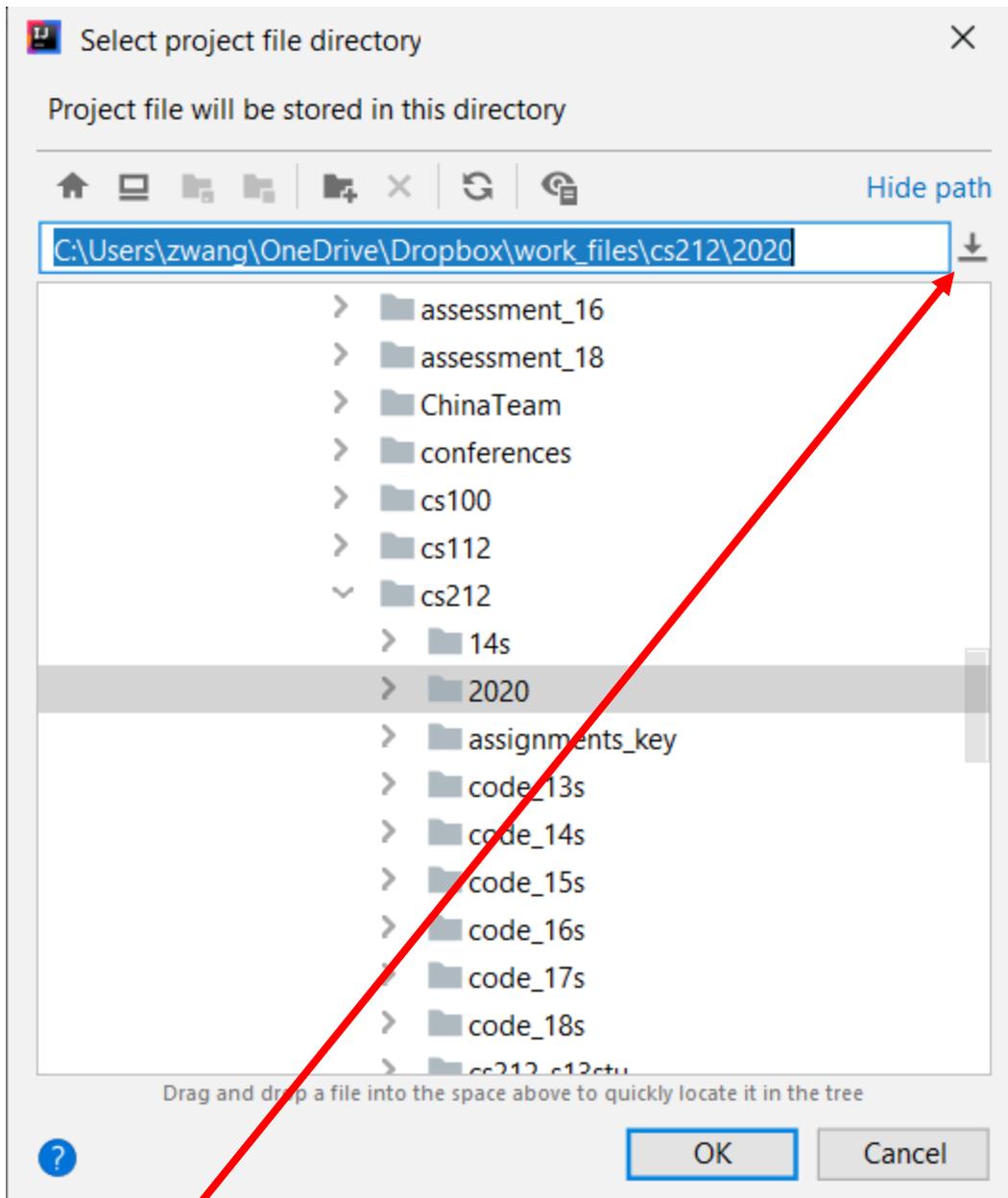**Click "Create New Project"**

Note:

1. ALL Java programs in the project should be able to compile.

2. IF a program has problems to compile, it should be removed from the project, so keep ALL codes righ.

3. IF you want to test a program, create a new project to edit and compile/run it

Click "Next"

Click "Next"

Select project file directory

Project file will be stored in this directory

C:\Users\zwang\OneDrive\Dropbox\work_files\cs212\2020

Hide path

> assessment_16
> assessment_18
> ChinaTeam
> conferences
> cs100
> cs112
∨ cs212
  > 14s
  > 2020
  > assignments_key
  > code_13s
  > code_14s
  > code_15s
  > code_16s
  > code_17s
  > code_18s
  > cs212_s13stu

Drag and drop a file into the space above to quickly locate it in the tree

OK   Cancel

Choose the folder that would hold the project.

Type the <u>project name, "TestProject",</u> following the folder name, and then it will be automatically filled in the upper textbox
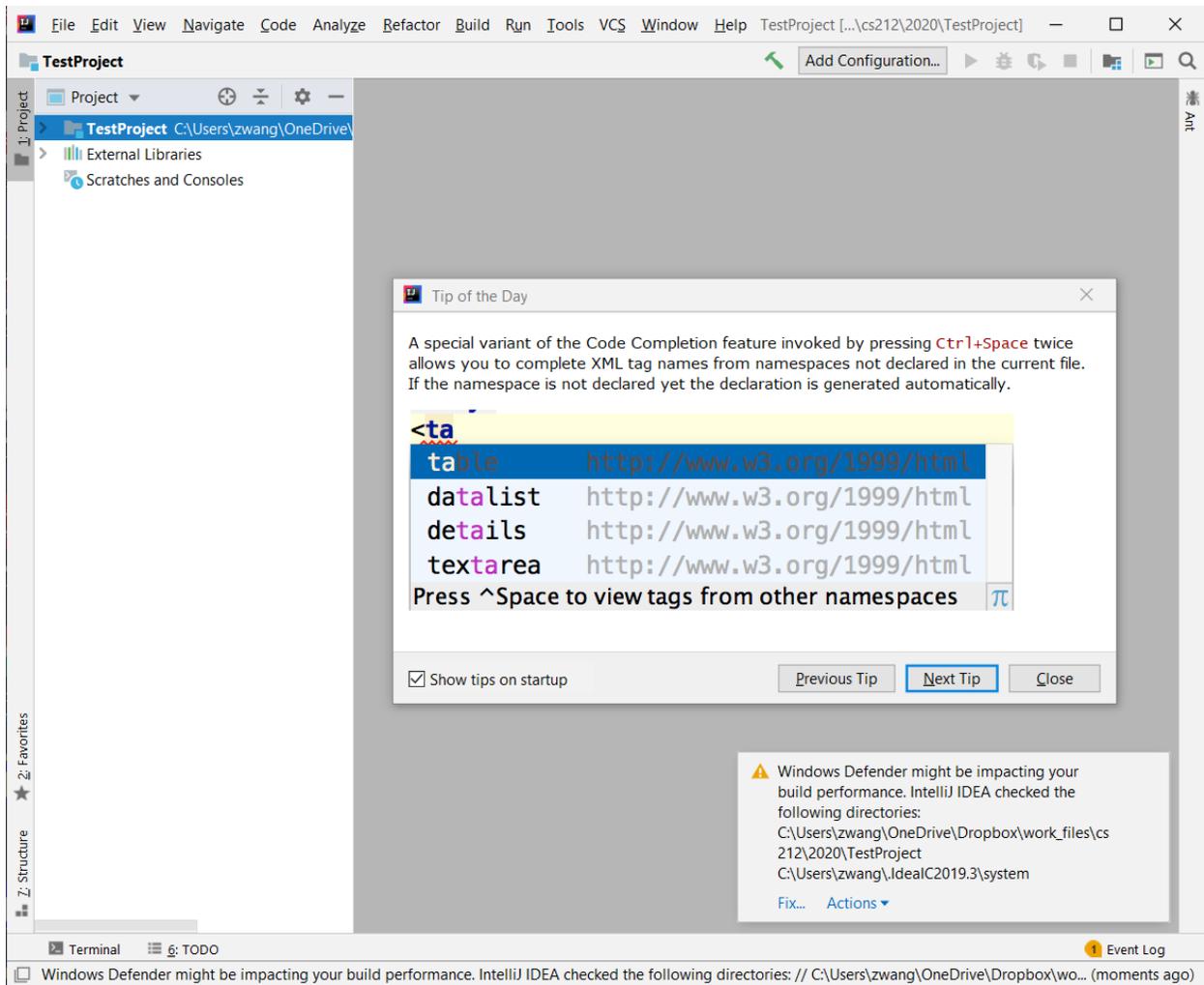
double-click the "TestProject" folder
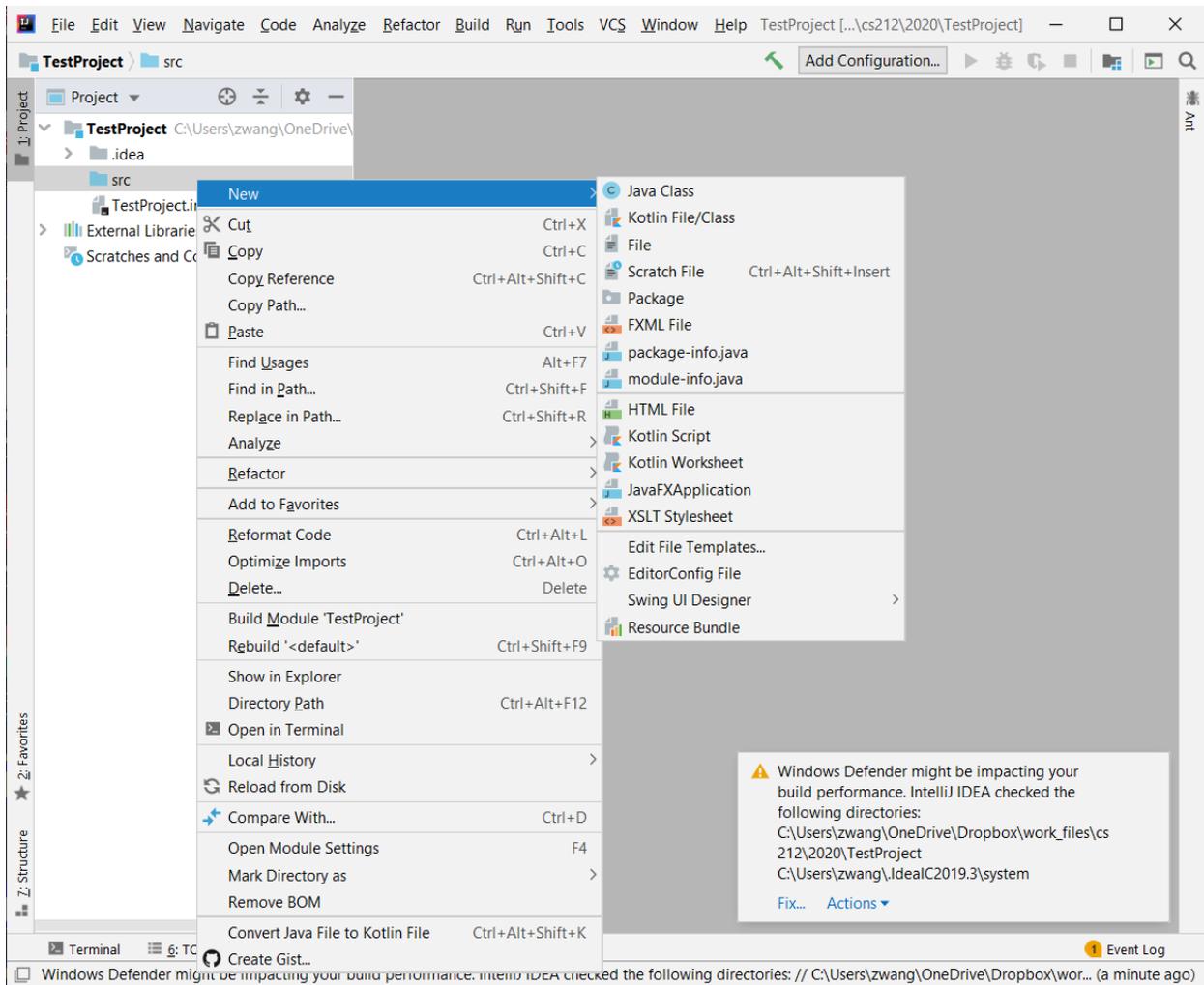
Right-click the src under "TestProject" → New → Java Class

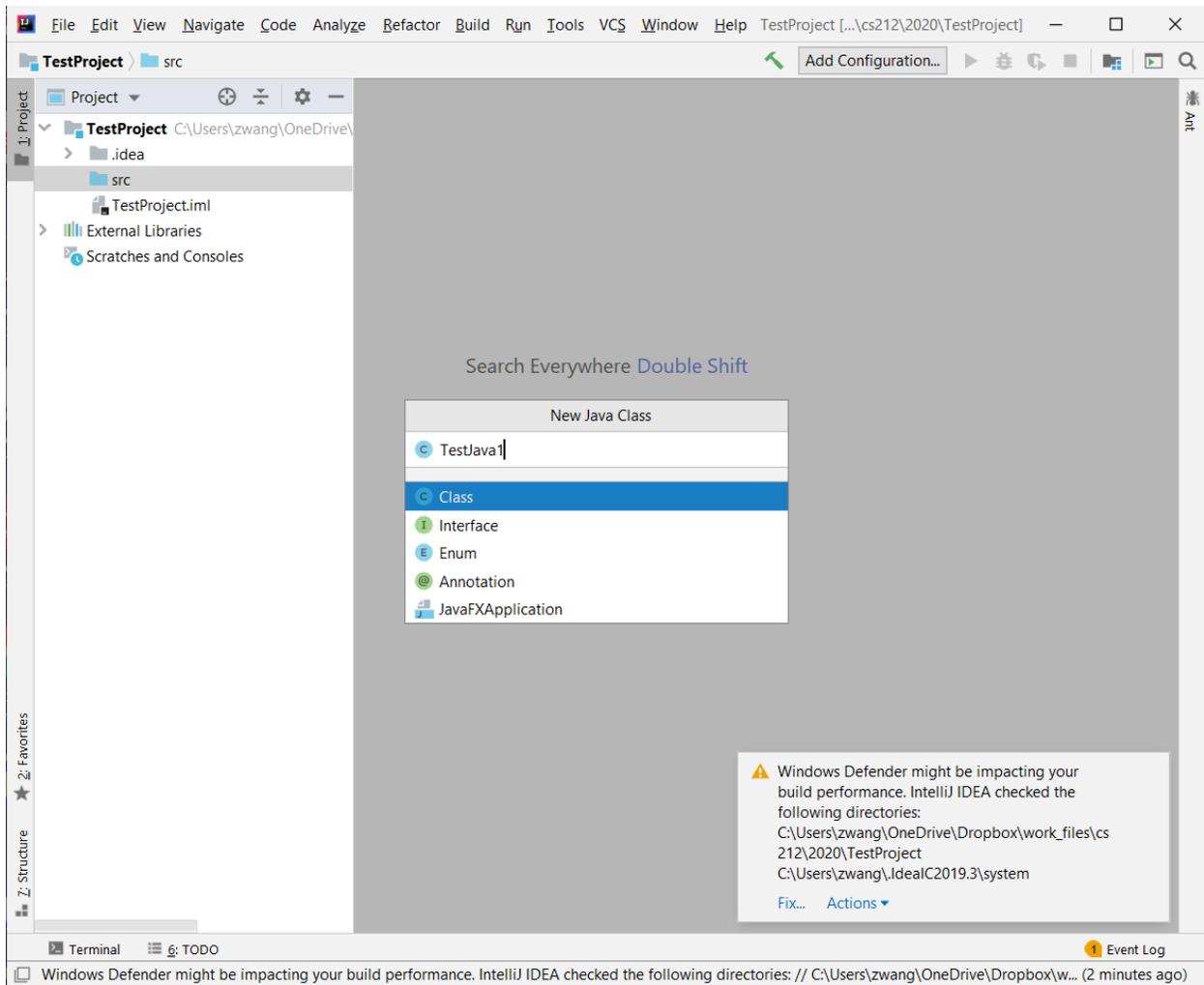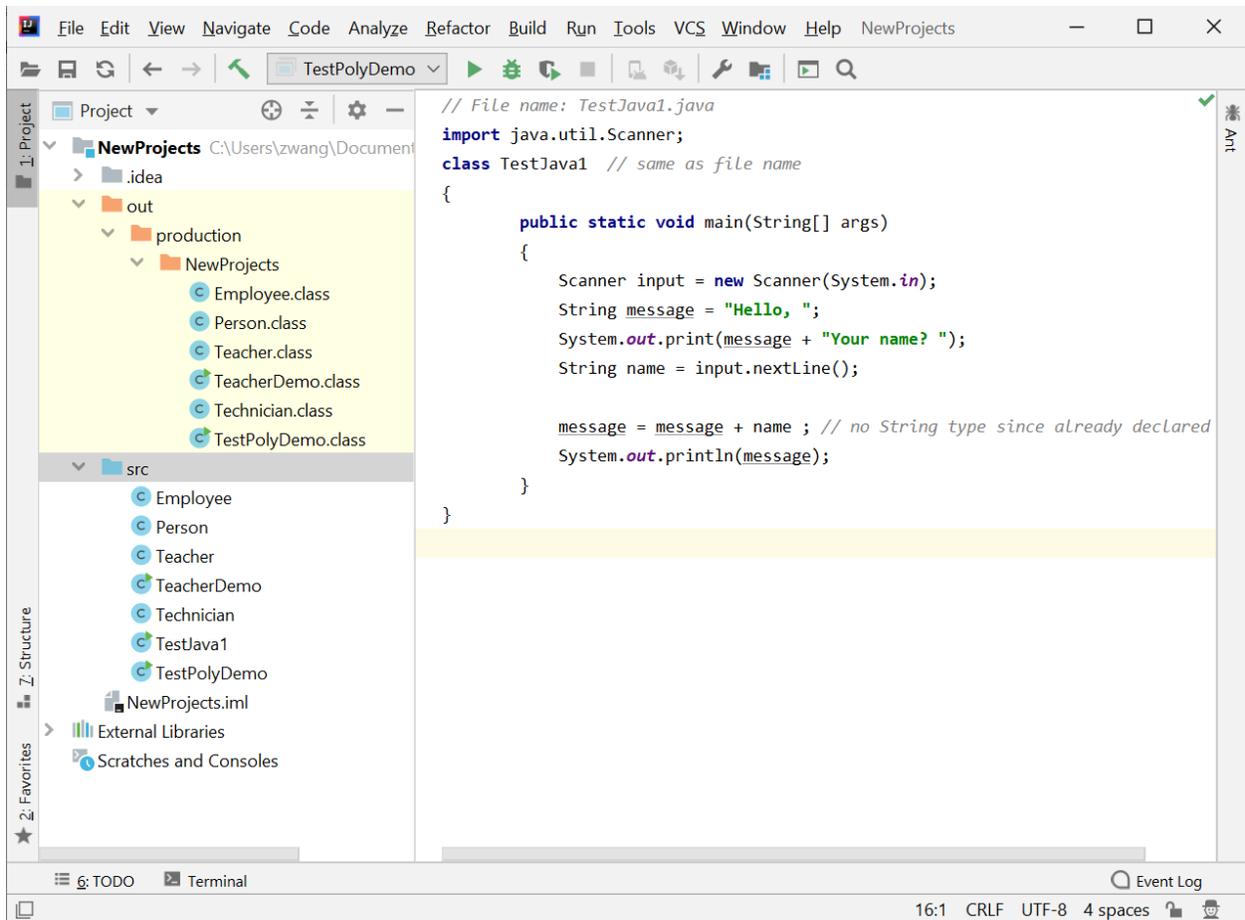**Type the class name in "New Java Class" window shown above; then insert your source code of the program shown below**

```java
// File name: TestJava1.java
import java.util.Scanner;
class TestJava1   // same as file name
{
        public static void main(String[] args)
        {
            Scanner input = new Scanner(System.in);
            String message = "Hello, ";
            System.out.print(message + "Your name? ");
            String name = input.nextLine();

            message = message + name ; // no String type since already declared
            System.out.println(message);
        }
}
```

Click Build → Recompile "TestJava1.java"
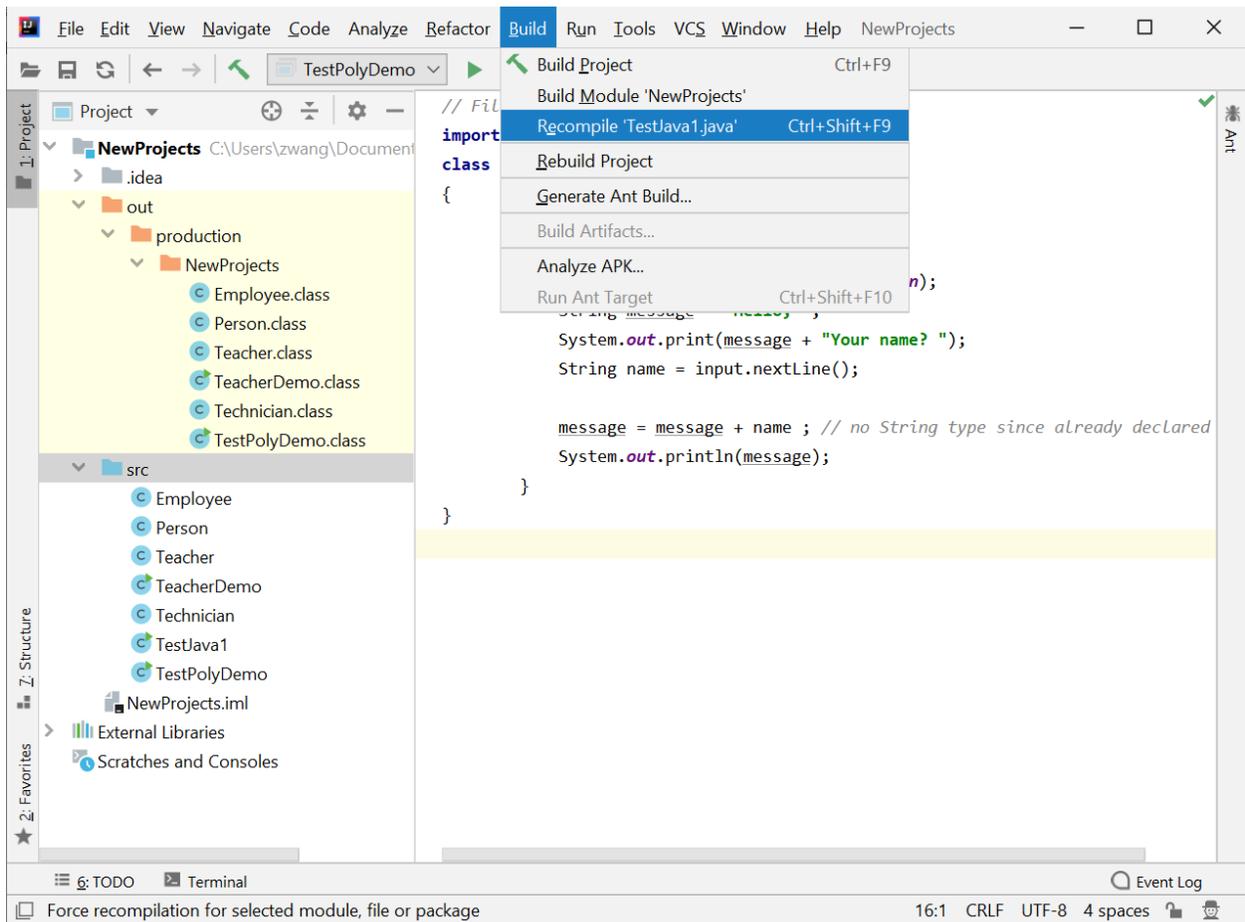
If compilation is successful, it shows in the status bar shown blow
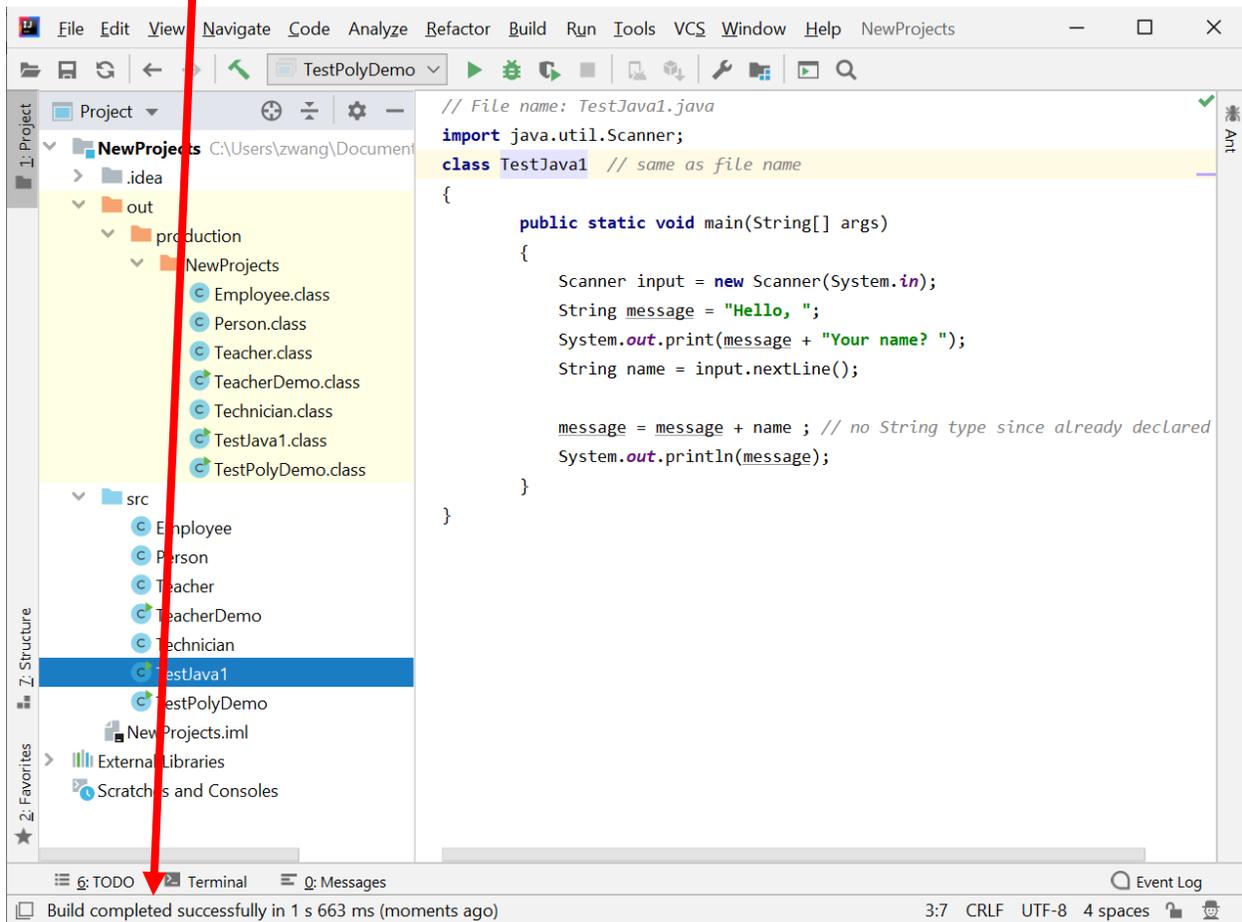
If not successful, the code needs to be modified until it is good

Click Run → Run ...

In the "Run" window, there are several classes shown. Click "TestJava1"
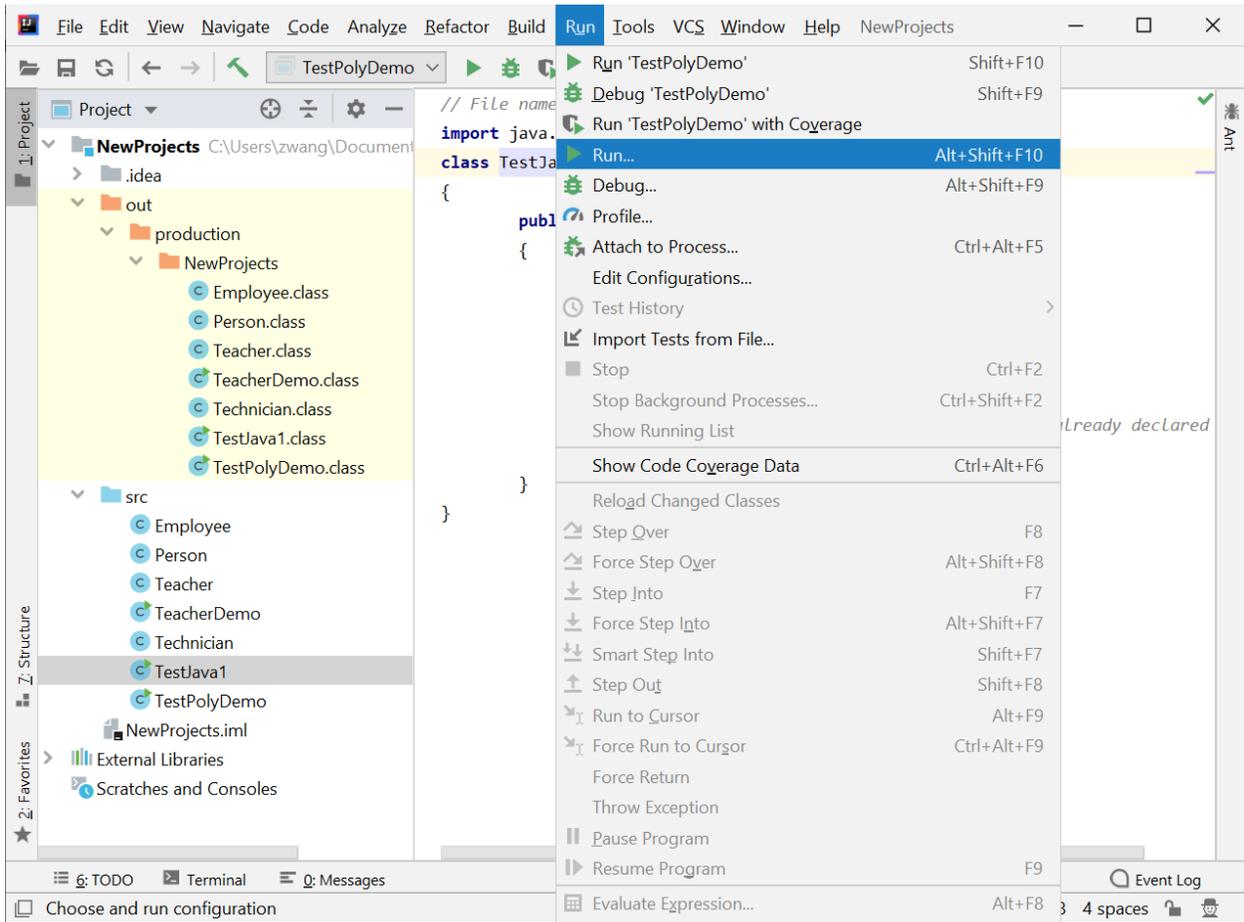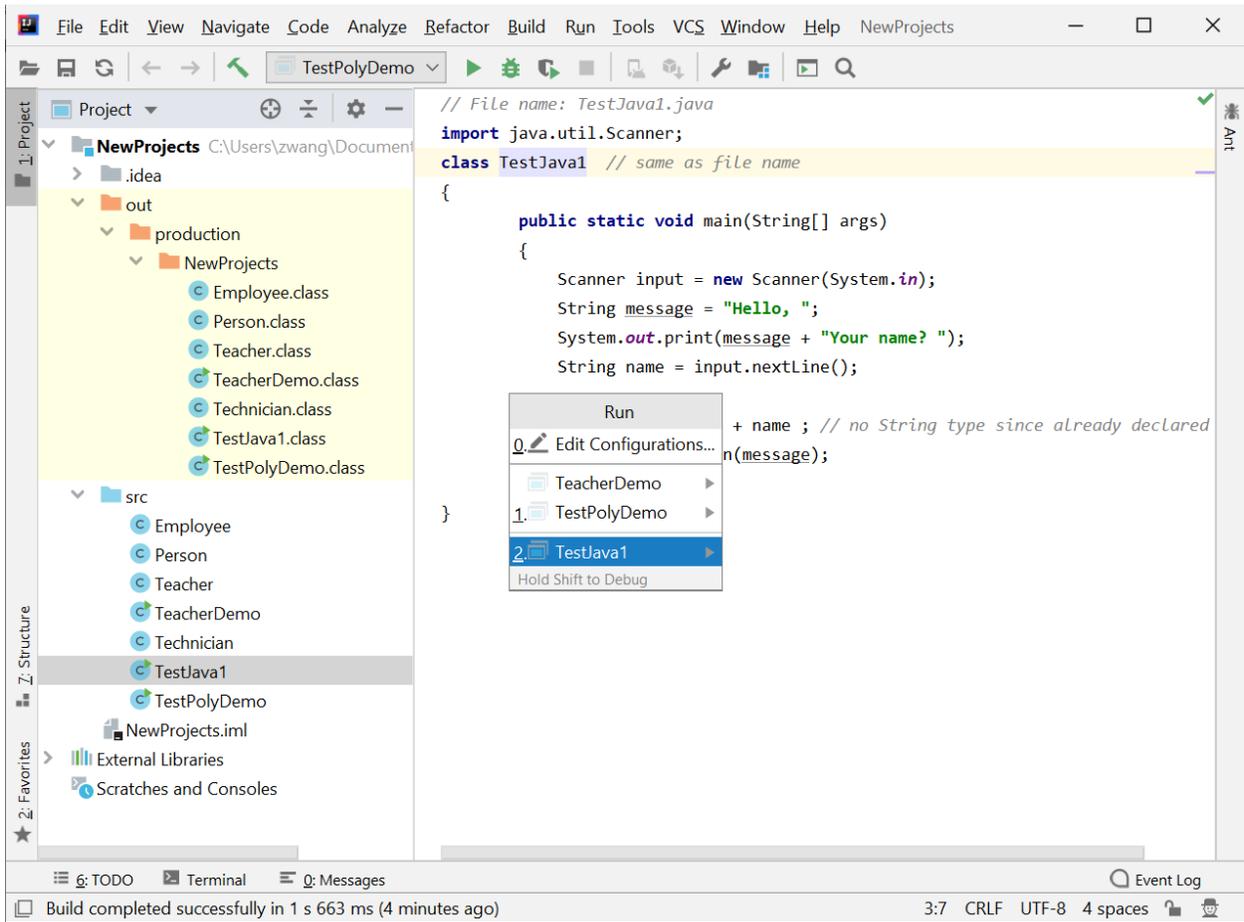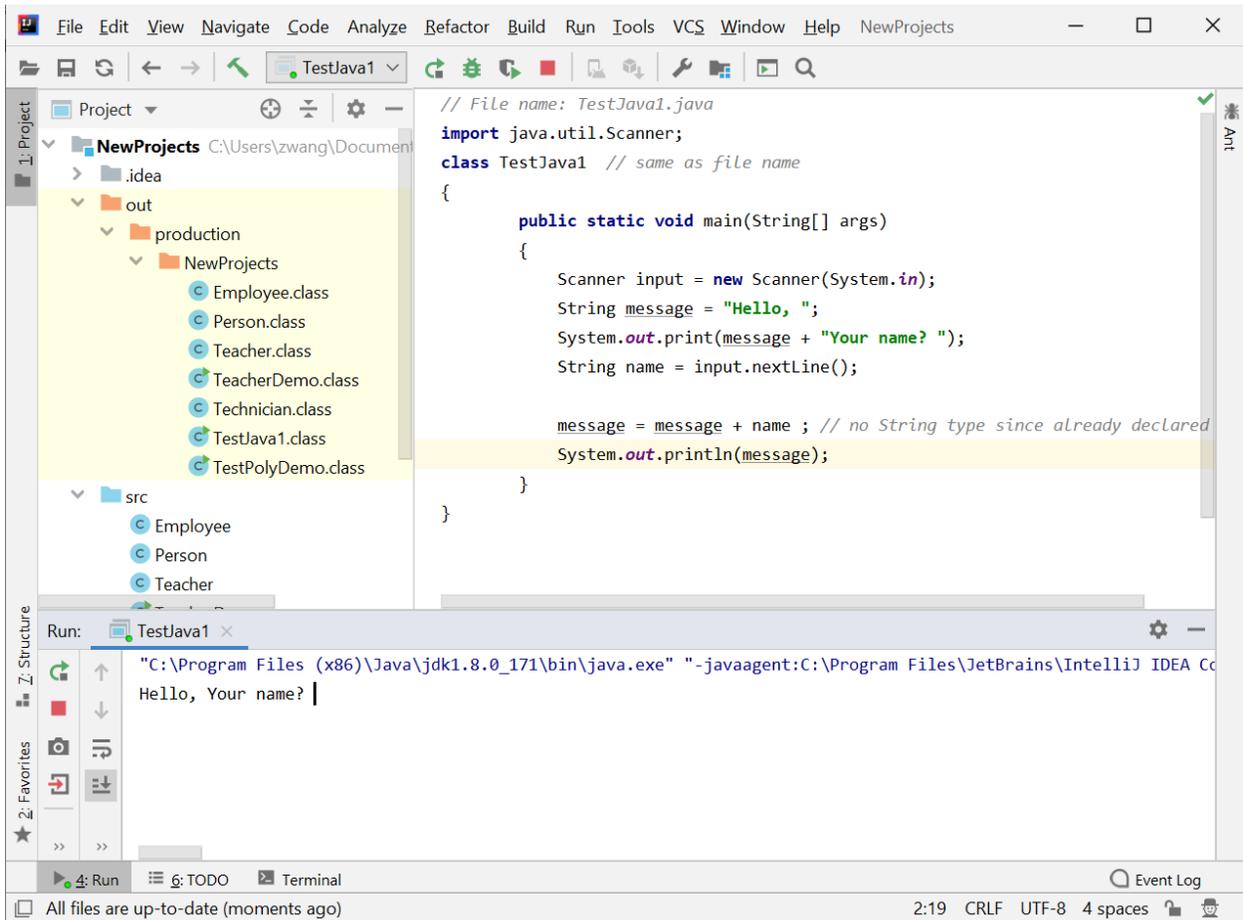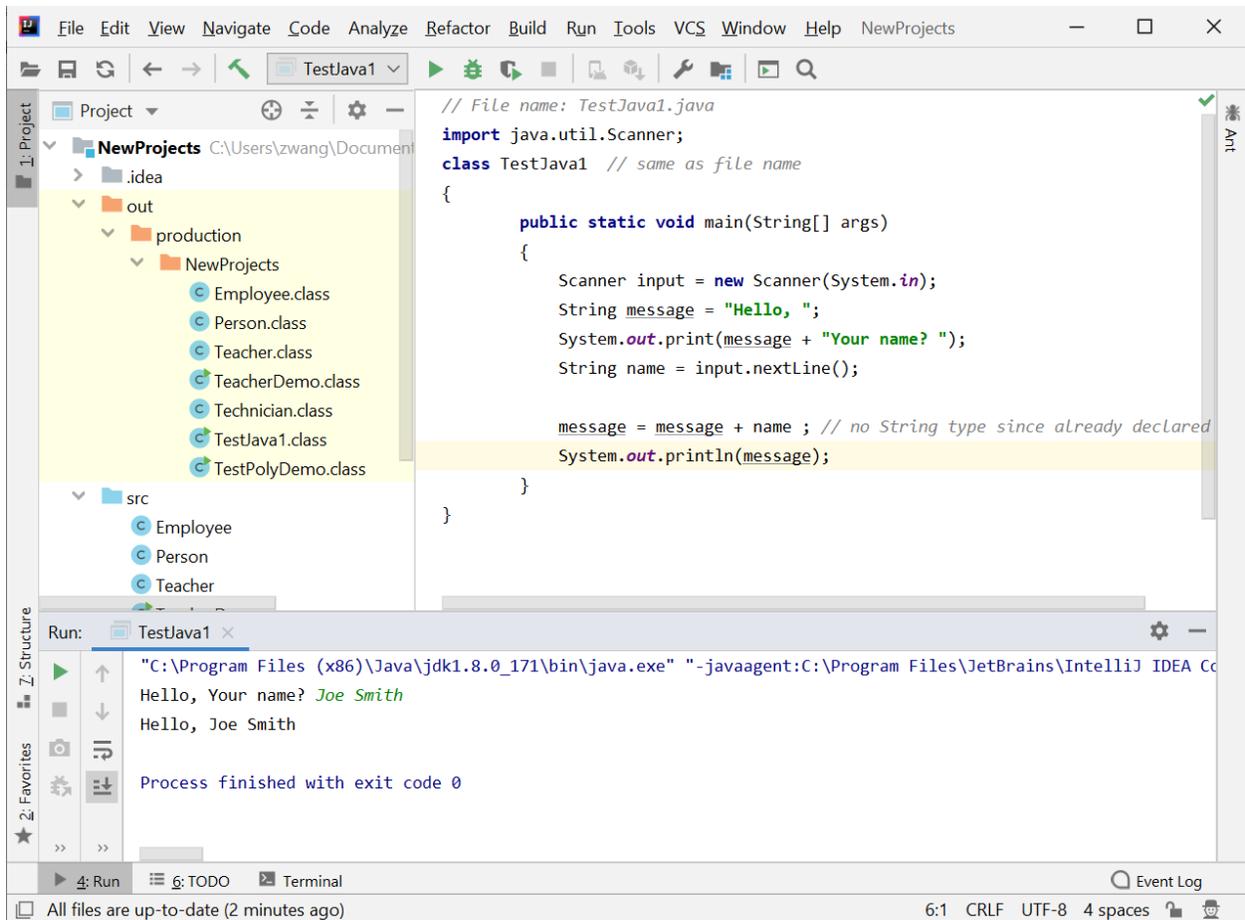
If ok, the execution of the code is in process as follows, and perform I/O operations shown below.

```java
// File name: TestJava1.java
import java.util.Scanner;
class TestJava1  // same as file name
{
        public static void main(String[] args)
        {
            Scanner input = new Scanner(System.in);
            String message = "Hello, ";
            System.out.print(message + "Your name? ");
            String name = input.nextLine();

            message = message + name ; // no String type since already declared
            System.out.println(message);
        }
}
```

```
"C:\Program Files (x86)\Java\jdk1.8.0_171\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Co
Hello, Your name? Joe Smith
Hello, Joe Smith

Process finished with exit code 0
```

You are done. Congratulations!