

Principles of Programming

Scala install, IDE, running

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Plan

- Install JDK & Scala
- Install IDE
 - IntelliJ IDEA / Eclipse
 - worksheet, for in-class activities
 - importing a project, for homework
- Test exam environment

JDK

- google 'JDK'
(<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>)

Scala

- google 'scala' (<https://www.scala-lang.org/>)

IDE

Choose either of them

- IntelliJ IDEA
- Eclipse*

*see the supplementary material

IntelliJ IDEA

<https://www.jetbrains.com/idea/> (or google 'intellij')

Install Scala plugin

(If you missed this during installation, go configure -> plugins -> search scala)

Worksheet

For in-class practice

- Create New Project
- File -> New -> Scala Worksheet
- Test '1+2'

Importing a project

For homework

Download the example project:

(https://github.com/snu-sf-class/pp201701/blob/master/test_project.zip)

- Import Project
- Click 'Next' repeatedly
- File -> Project Structure -> Modules
- Delete current and re-make (don't know why..)
- Right-click 'src/Test' and 'Run Test'

Eclipse

Download and Install Eclipse (<https://www.eclipse.org/downloads/>)

Install Scala plugin (<http://scala-ide.org/download/current.html>)

- Help -> Install New Software..
- Click Add
 - Name: scala
 - Location: <http://download.scala-ide.org/sdk/lithium/e46/scala211/stable/site>
- Check `Scala IDE for Eclipse' and `Scala Worksheet'
- Nexts..

Worksheet

For in-class practice

- File -> New -> Scala project
- File -> New -> Scala Worksheet
- Test '1+2' (and save)

Importing a project

For homework

Download the example project:

- File -> New -> Scala Project
- Uncheck 'Use default location' and set the project's dir
- Click Next
- Libraries -> 'Add Library' -> 'Scala Library'
- 'Fixed Scala Library container : 2.11.8'
- Right click 'Test.scala' -> 'Run as..' -> 'Run Configurations'
- Right click 'Scala Application' -> New
- Set project Main class (ex. pp2017.test.Test)

Environment for Exam

No those IDE in exams

You can code using any editors (vim, emacs, ..)

- Scala plugin for the Atom editor will be available

You will use 'compile.sh' and 'run.sh' in Linux.

- For windows users, use 'compile.bat' and 'run.bat' for now.