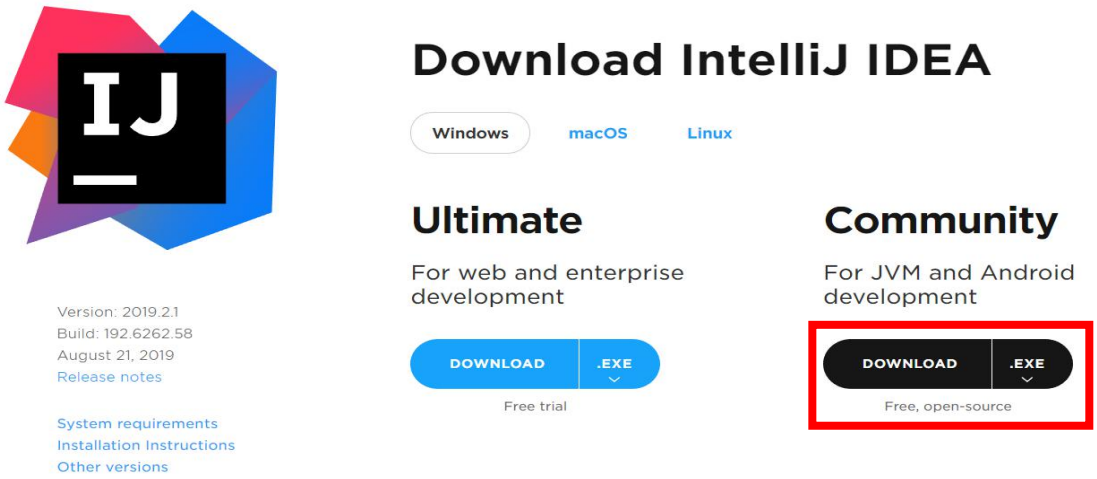
Tutorial for Setting the Framework

Requirements

1. IntelliJ Idea Community Edition
2. Internet access

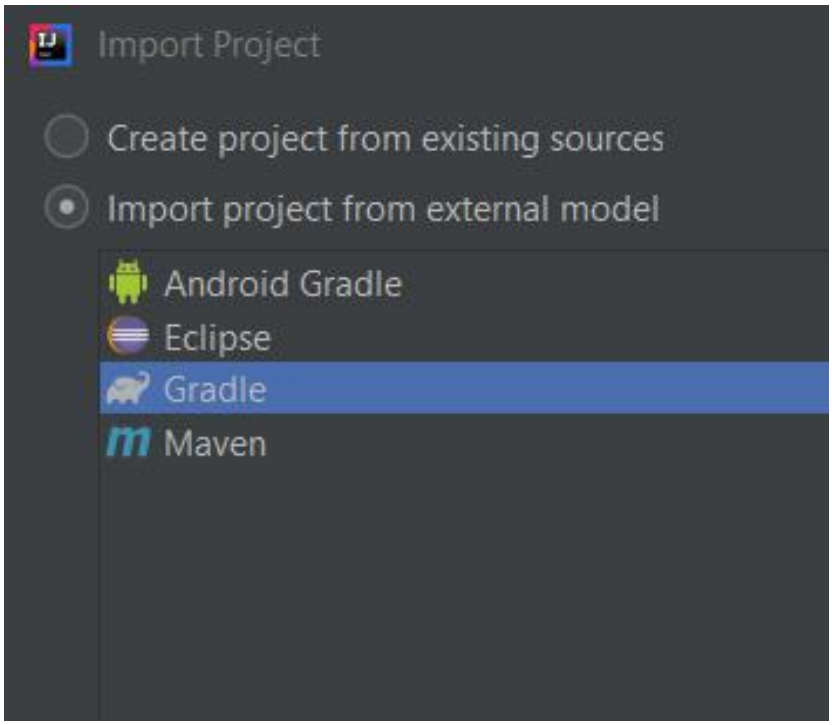
Steps

1. Go to IntelliJ Idea download page and download the community edition of the software

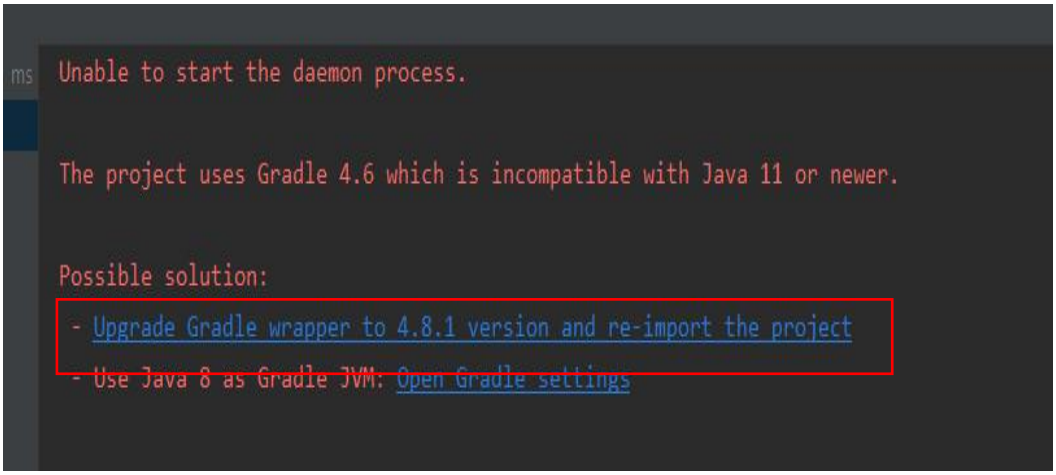


2. Install IntelliJ Idea Community Edition.
3. Open IntelliJ Idea and click Import Project (use default options)

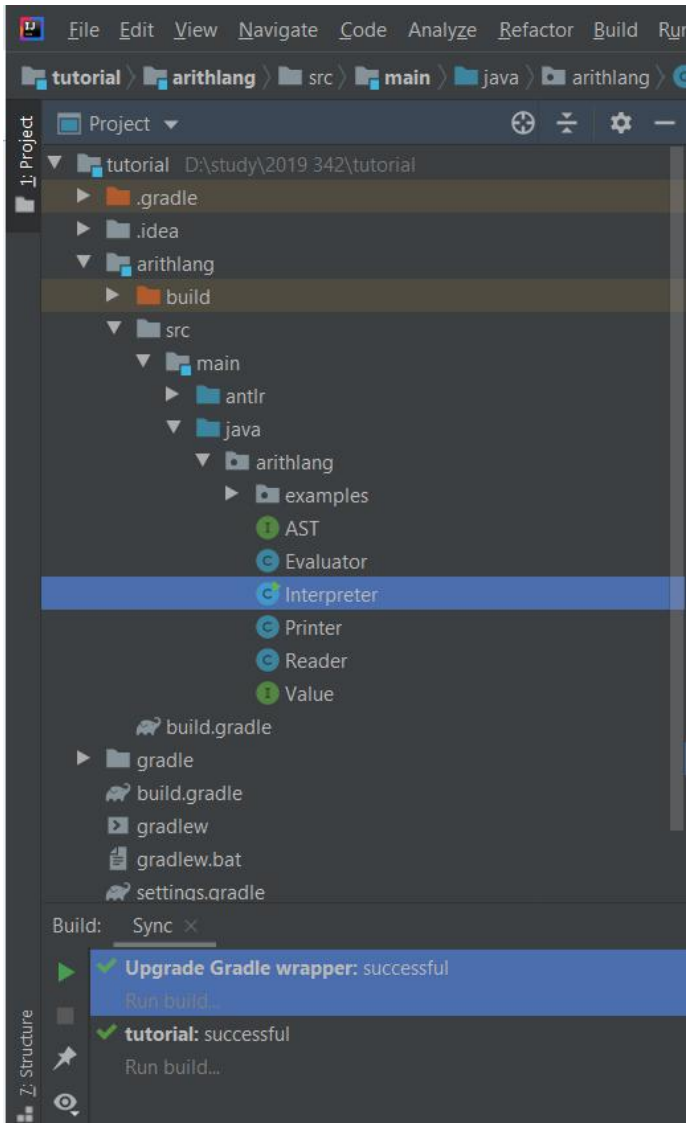
4. Unzip the file and select the folder. The folder must have the folder arithlang and other files in it.
5. Select Import Project from external model and select Gradle



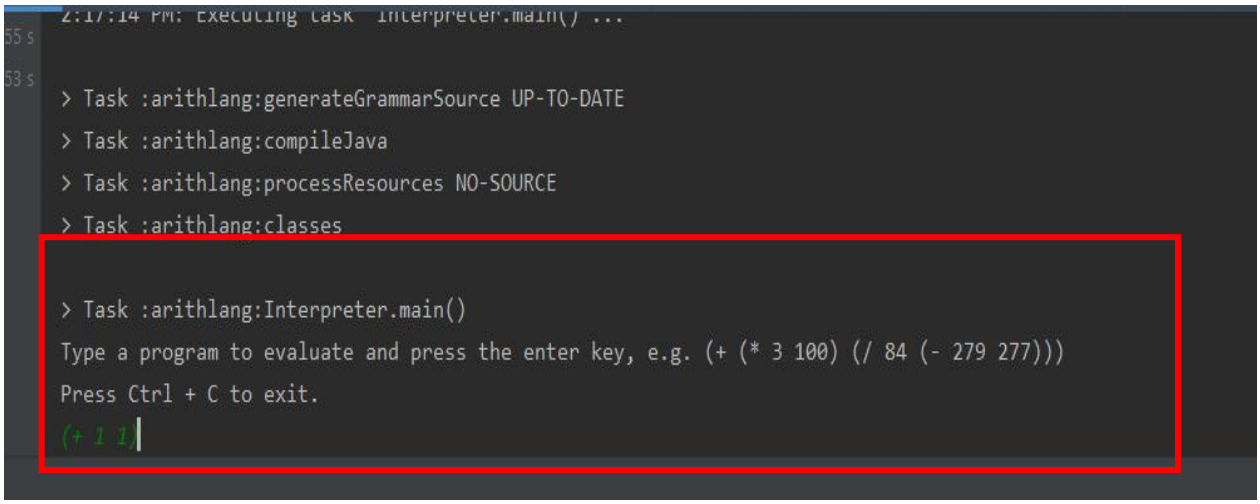
6. Click Finish, IntelliJ Idea will download all the dependencies and the build system. Wait few minutes for that.
7. (Optional) You may find an error message as follows, please select “Upgrade Gradle wrapper to 4.8.1 version and re-import the project”.



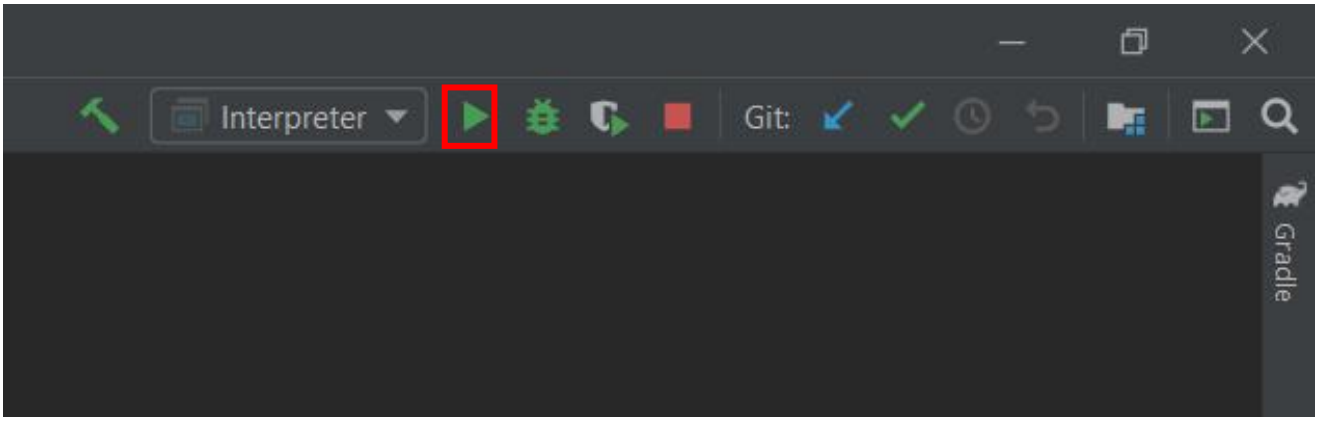
8. To run the interpreter, right click on the Interpreter java file and click Run Interpreter.main()



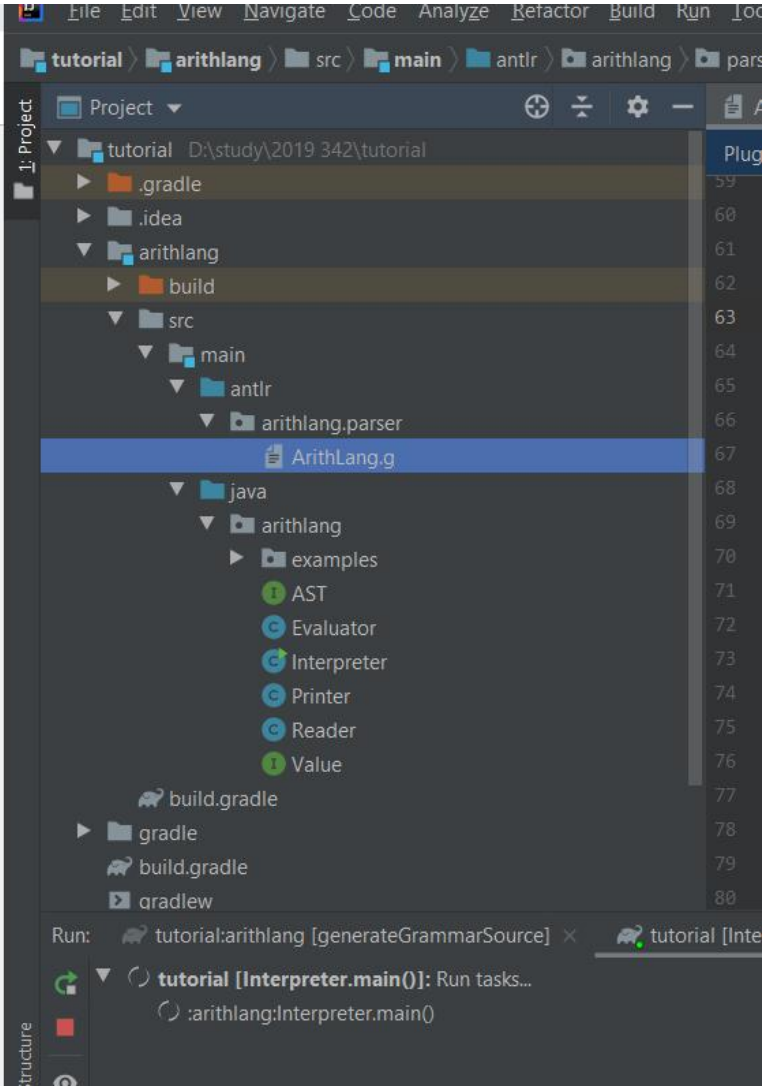
9. A console will be open on the bottom of IntelliJ Idea and you can follow the instructions it says.



10. Since the second, you can run the interpreter by clicking the run button. Please make sure you select interpreter on the check box beside the button before run it.



11. To modify the current grammar, you can edit the file src -> main -> antlr -> arithlang.parser -> ArithLang.



12.Once you modify this file, every time the Interpreter is run, the build system generates java files for the parser automatically.