Tutorial For setting up the Framework
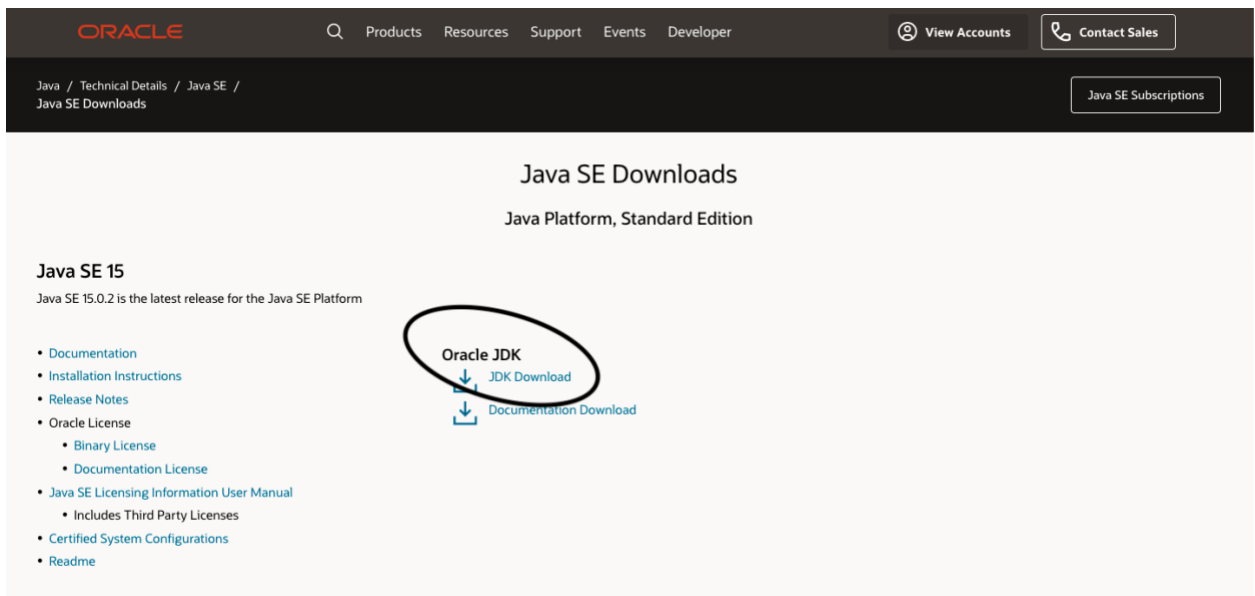
Requirements:

1. Java JDK 8 (0.8) or newer
2. IntelliJ Idea Community Edition
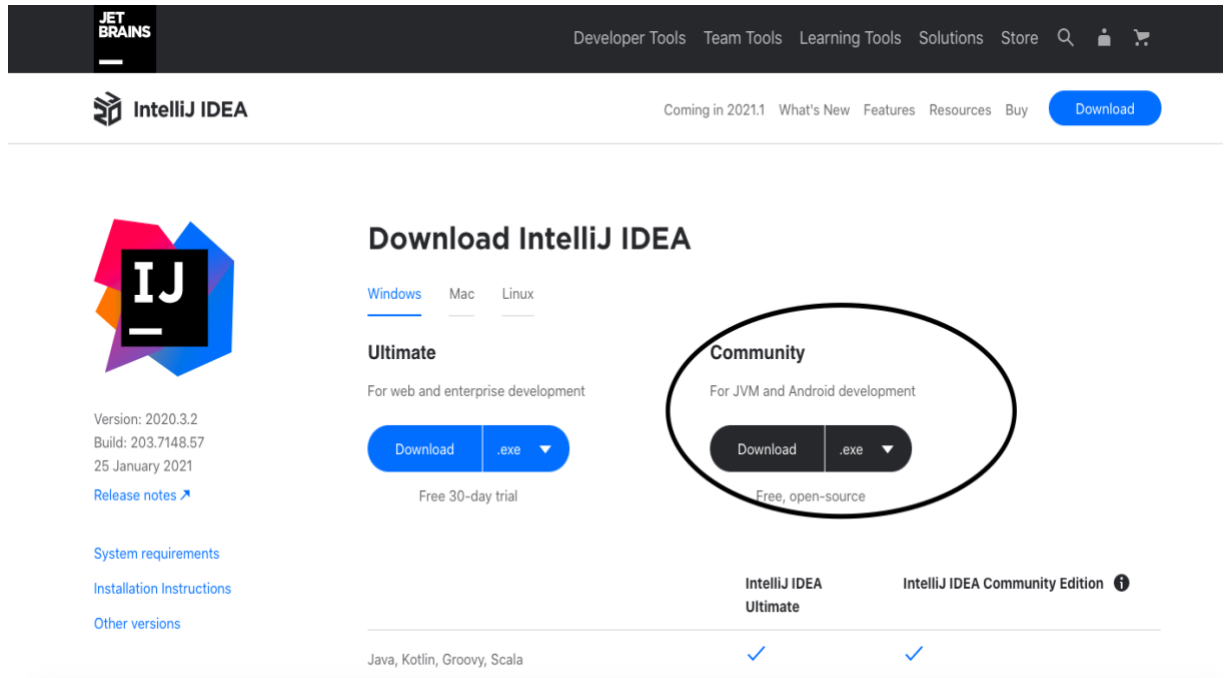3. Internet Access

Steps:

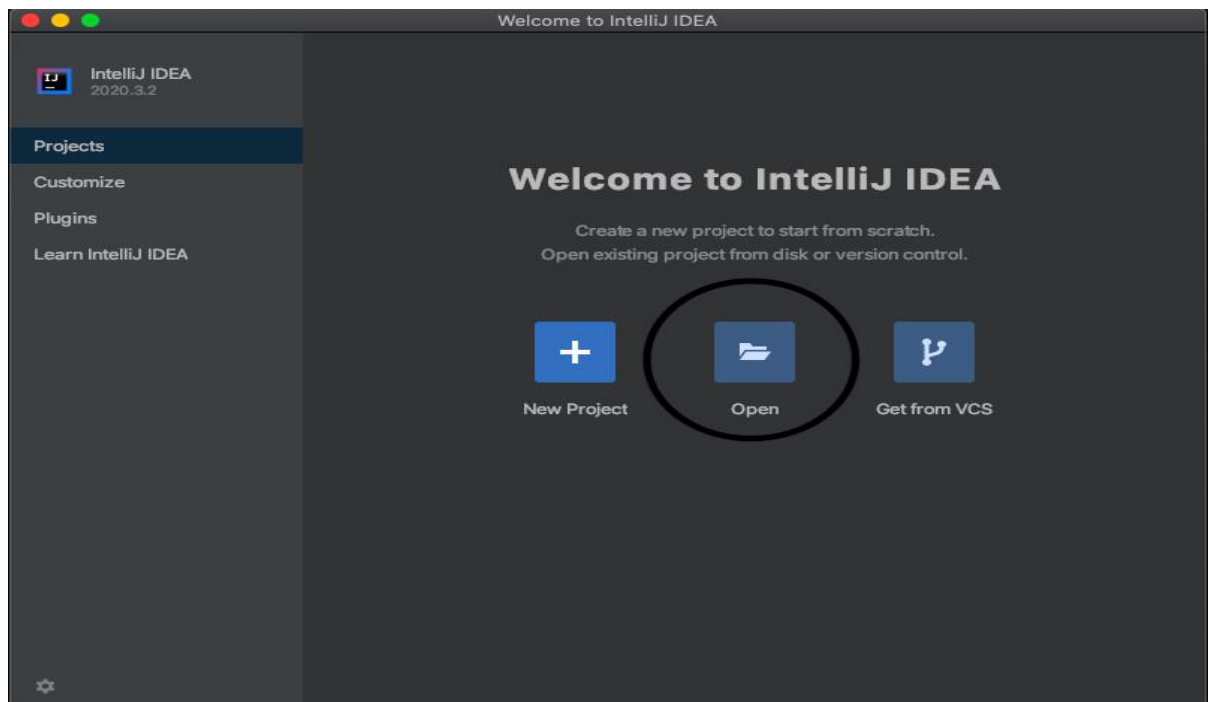1. Go to Oracle's download page and download the Oracle JDK.

2. Accept license and download JDK for your operating system
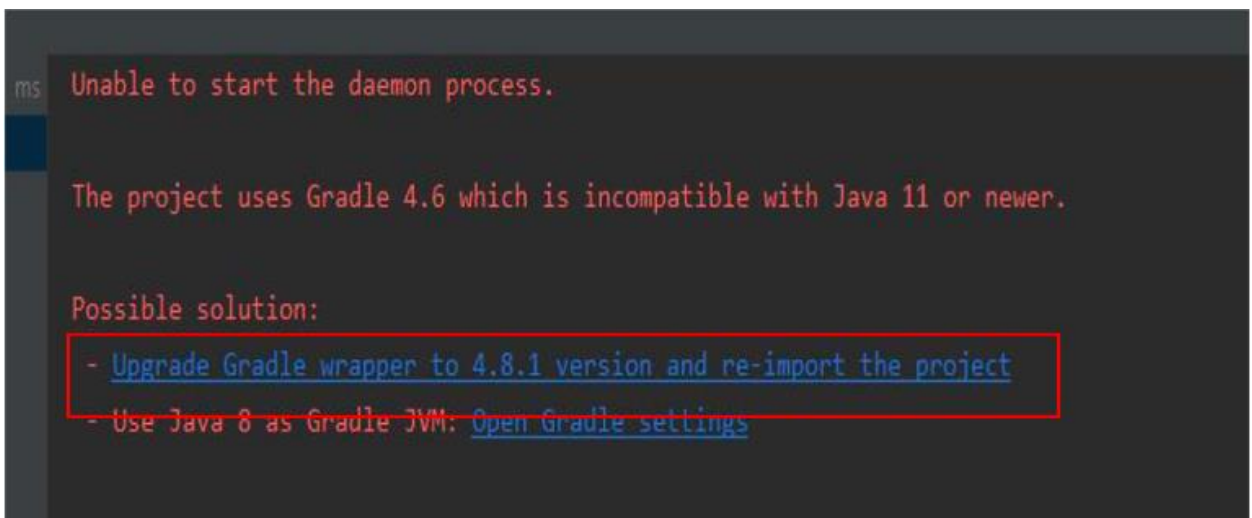
3. Install JDK.

4. Go to [IntelliJ Idea download page](#) and download the community edition of the software.

5. Install IntelliJ Idea Community Edition.
6. Open IntelliJ Idea and click Open

7. Unzip the file and select the folder. The folder must have the folder arithlang and other files in it.

8. Select the folder and Click Open then IntelliJ Idea will download all the dependencies and the build system. Wait few minutes for that.

9. (Optionally) You may find an error message as follows, please select "Upgrade Gradle wrapper to 4.8.1 version (updated version) and re-import the project".

10. To run the interpreter, rich click on the interpreter java file and click run Interpreter.main()
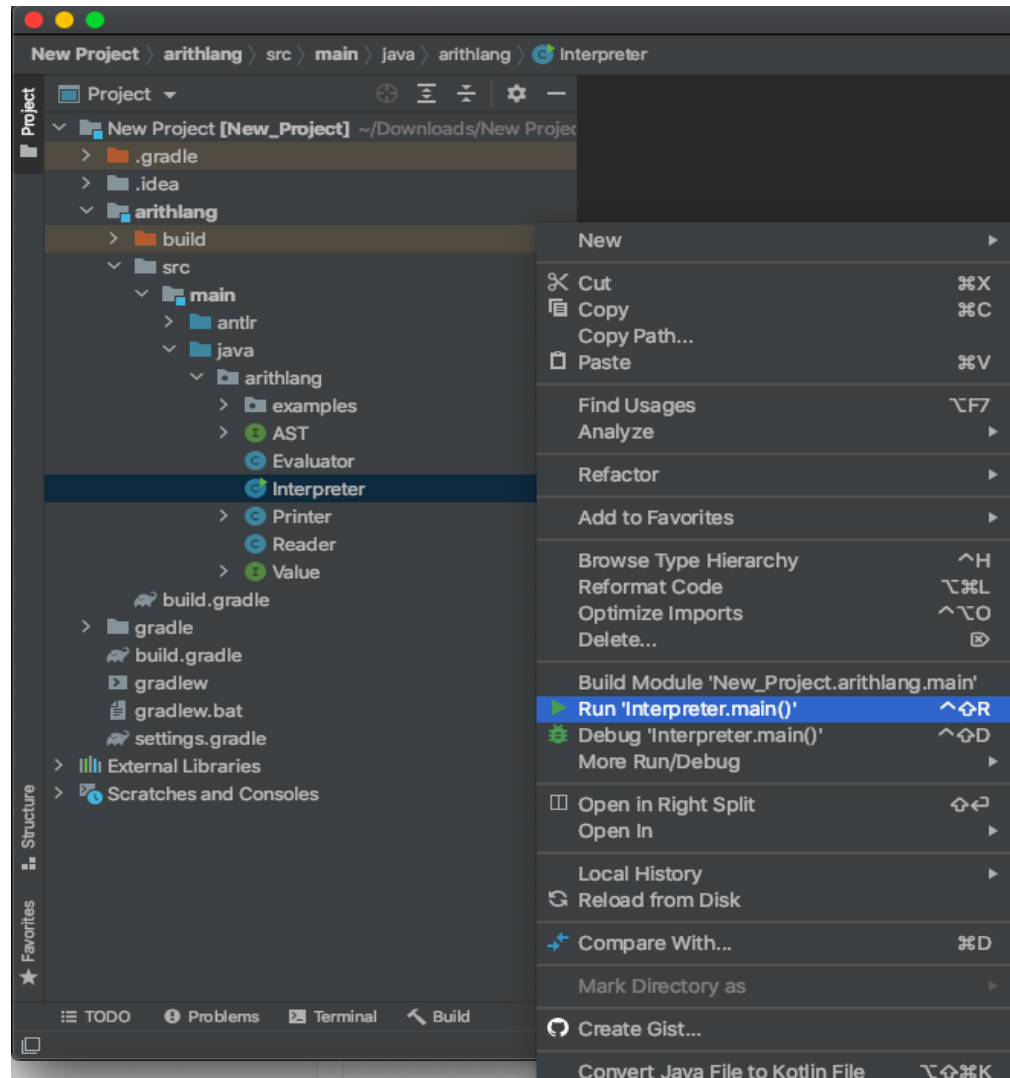
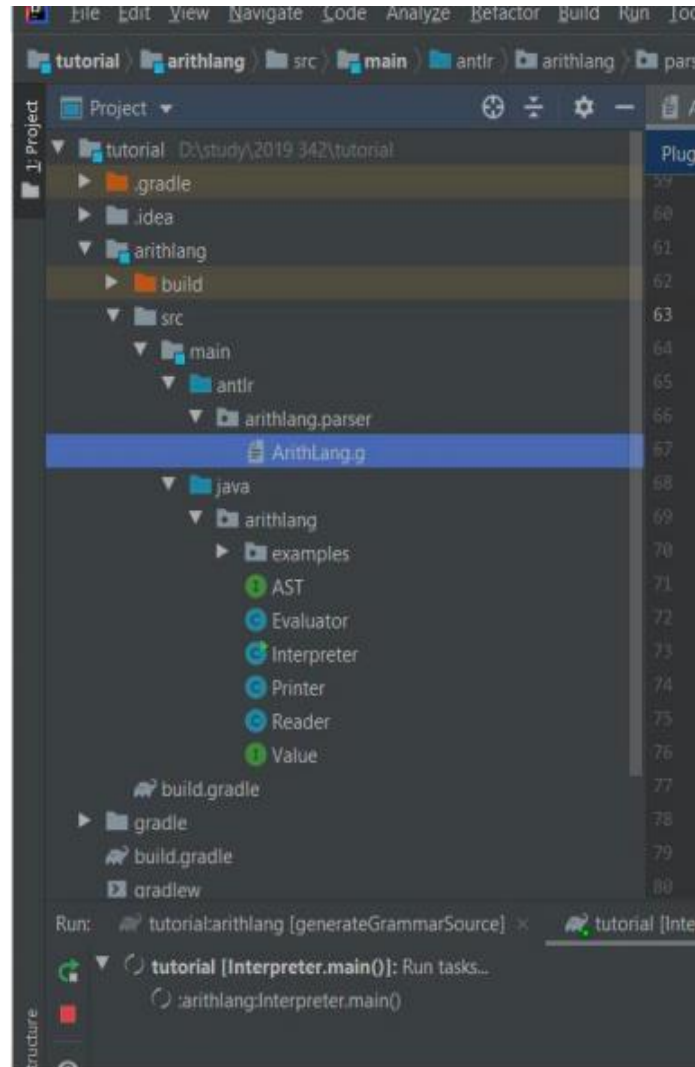11.A console will be open on the bottom of IntelliJ Idea and you can follow the instructions it says.

12.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 running it
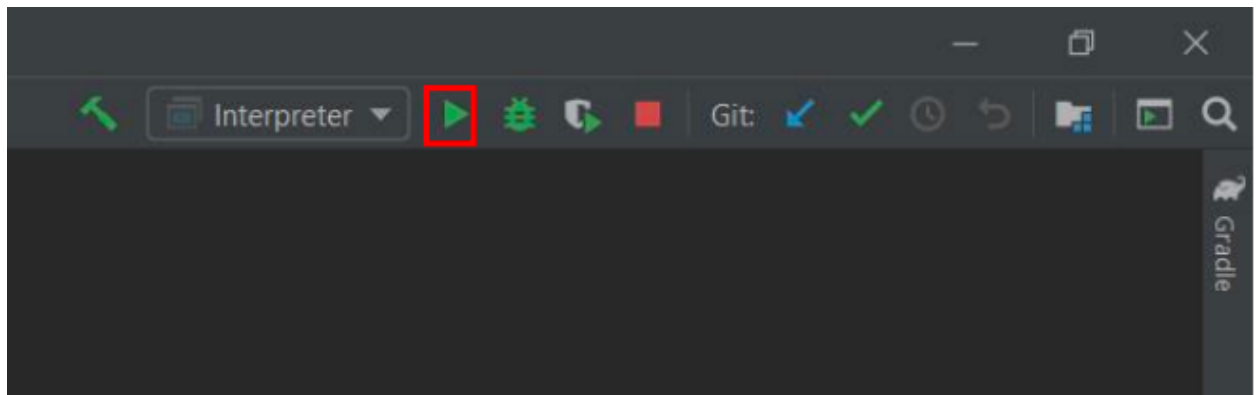
13. To modify the current grammar, you can edit the file src -> main -> antlr -> arithlang.parser -> ArithLang

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