### Development Tools

* Eclipse

Eclipse was originally developed by IBM as the next generation IDE development environment to replace commercial software visual age for Java. It was contributed to the open-source community in November 2001. It was managed by the Eclipse Foundation, a non-profit software supplier alliance[1].

Advantage:

1. Eclipse uses less memory than IDEA.

Disadvantage:

1. Incompatibility between versions, especially plug-ins.
2. JDK. When a new version of JDK comes out, eclipse generally lags for a long time before a new version supports the new JDK.

* IntelliJ IDEA

IntelliJ IDEA is a product of JetBrains. It is an integrated environment for Java programming language development. Intelligent code assistant, code automatic prompt, refactoring, Java EE support, various versions of tools (GIT, SVN), JUnit, CVS integration, code analysis, innovative GUI design[2].

Advantage:

1. Strong integration capabilities: such as git, maven, spring...
2. The prompt function is fast and convenient.
3. The scope of prompt function is relatively broad.
4. Easy to use shortcut keys and code templates
5. Precise search

Disadvantage:

1. There is a lack of plug-in development.
2. An only single project is supported on the same page, which brings some inconvenience to the development, especially the programmers who like to build a test process to test some methods during development.
3. Requires much memory

Reference

1. Eclipse Foundation.Retrieved from:

[https://www.eclipse.org/eclipseide](https://www.eclipse.org/eclipseide/)

1. JetBrains. Retrieved from:

https://www.jetbrains.com/idea/features/#features