

Ch 01. Java Development Environment

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🏷 태그	

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Java 개발 도구 설치

01. JDK

JAVA : 100% 무료

Sun Microsystems 2006년에 Java GNU GPL 라이선스 소스를 오픈


- Oracle JDK
 - BCL(Binary Code License) : 개인적 사용하는 경우 무료 (ex: ALZip)
 - 구독형 라이선스 (Subscription License) : 일정 기간 주기로 요금 지불 (ex: Office365)
- Open JDK
 - 성능이나 안정성에 다소 문제가 있었지만, Java11 부터는 Oracle JDK와 거의 동일해짐

02. Install

▼ Download

OpenJDK

Learn about the key active Projects in the Community including Amber (high-productivity language features), Loom (lightweight

 <https://openjdk.org/>

OpenJDK



What is this? The place to collaborate on an open-source implementation of the [Java Platform, Standard Edition](#), and related projects.



Download and install the [latest open-source JDK](#). Oracle's free, GPL-licensed, production-ready OpenJDK JDK 21 binaries for Linux, macOS, and Windows are available at jdk.java.net/21/; Oracle's commercially-licensed JDK 21 binaries, based on the same code, are

jdk.java.net

GA Releases

JDK 21
JavaFX 21
JMC 8

Early-Access Releases

JDK 23

JDK 22

JavaFX 22

Jextract

Loom

Valhalla

Reference Implementations

Java SE 21

Java SE 20

Java SE 19

Java SE 18

Java SE 17

Java SE 16

Java SE 15

Java SE 14

Java SE 13

Java SE 12

Java SE 11

Java SE 10

Java SE 9

Java SE 8

Java SE 7

Java Platform, Standard Edition 11 Reference Implementations

The official Reference Implementation for Java SE 11 (JSR 384) is based solely upon open-source code available from the JDK 11 Project in the OpenJDK Community. This Reference Implementation applies to Maintenance Release 2 (May 2023). Final Release of JSR 384 (Sep 2018) and Maintenance Release 1 (Mar 2019) contains RIs for both these releases.

The binaries are available under the GNU General Public License version 2, with the Classpath Exception.

These binaries are for reference use only!

These binaries are provided for use by implementers of the Java SE 11 Platform Specification and are for reference purposes only. This Reference Implementation has been approved through the Java Community Process. Production-ready binaries under the GPL are available from Oracle; and will be in most popular Linux distributions.

RI Binary (build 11.0.0.1+3) under the GNU General Public License version 2

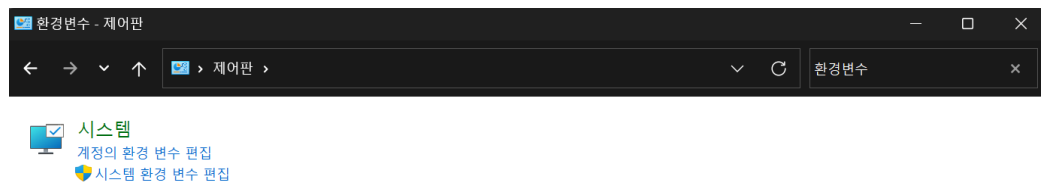
- [Oracle Linux 8.6/x64 Java Development Kit \(sha256\) 179 MB](#)
- [Windows 11/x64 Java Development Kit \(sha256\) 180 MB](#)

▼ Install

- C:\Java\jdk-11
 - 압축 해제 및 해당 경로에 폴더 복사
- 환경 설정

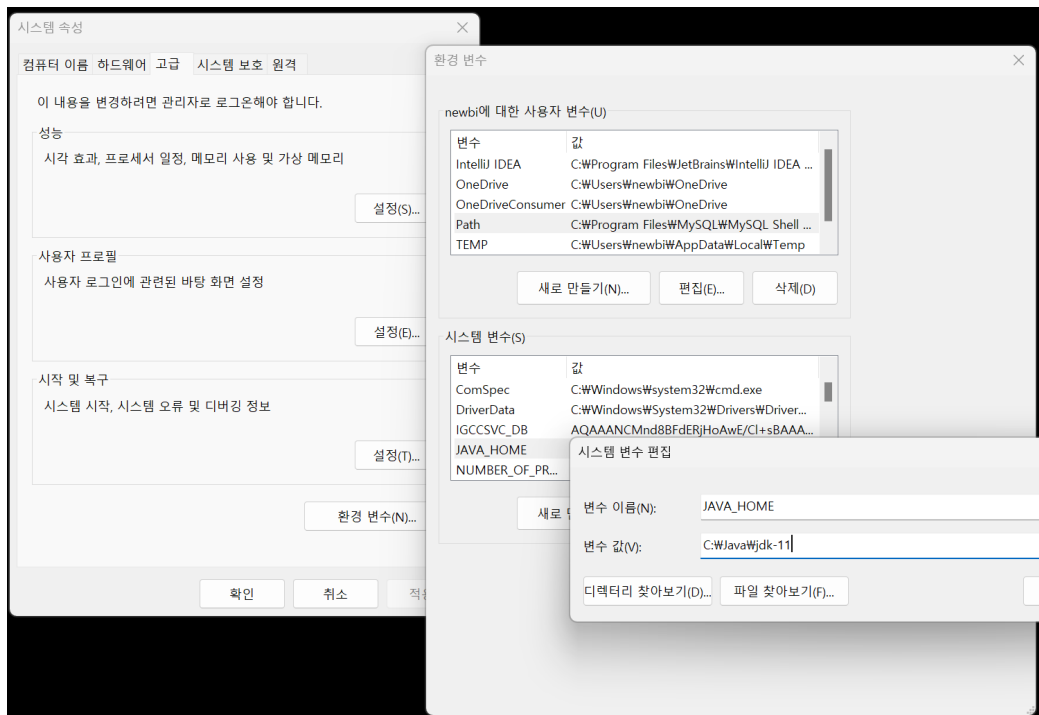


▼ Win11

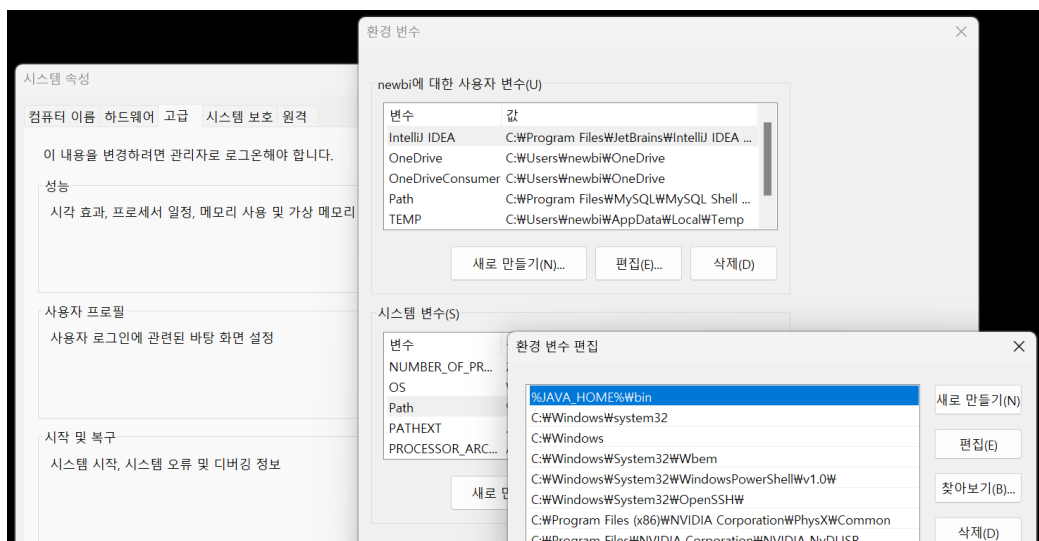


◦ 시스템 변수 생성

- 'JAVA_HOME' 시스템

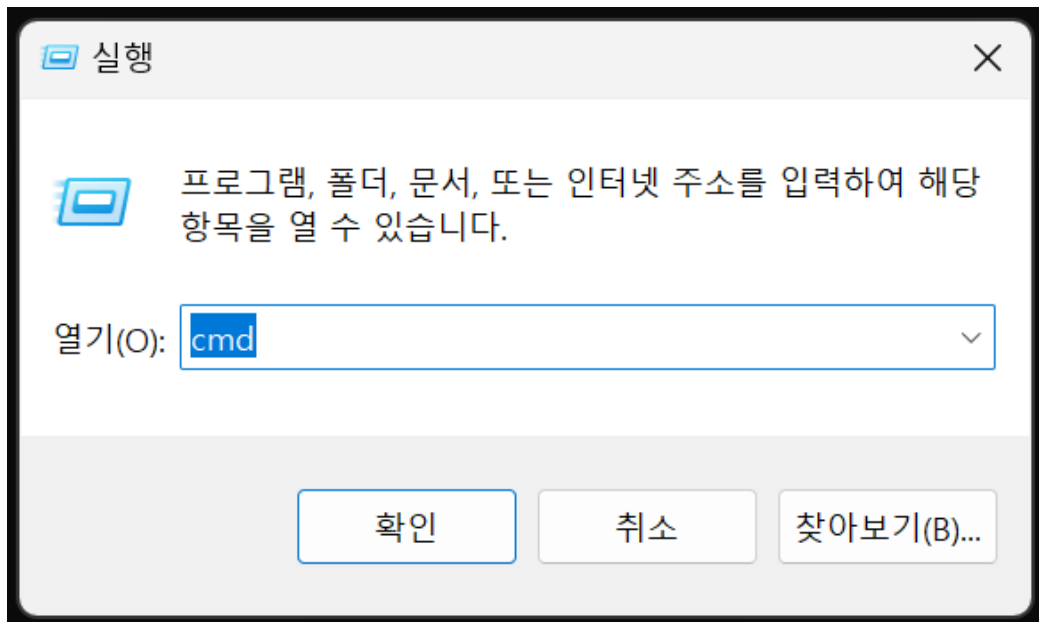


◦ 'Path' 시스템 변수 수정



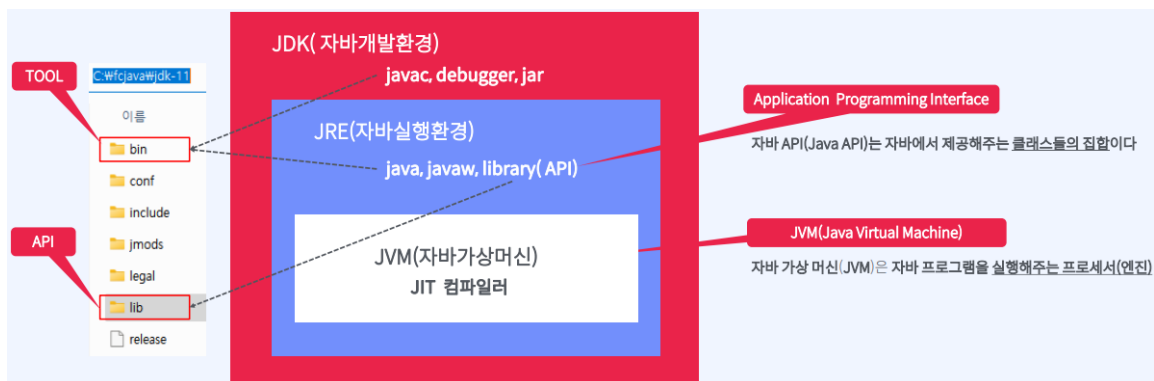
• 테스트

◦ 실행(Win + R) > CMD > 'java -version'



```
C:\Users\newbi>java -version
openjdk version "11.0.2" 2019-01-15
OpenJDK Runtime Environment 18.9 (build 11.0.2+9)
OpenJDK 64-Bit Server VM 18.9 (build 11.0.2+9, mixed mode)
```

▼ Environment Configuration



IntelliJ 개발 환경 구축


IDE : Integrated Development Environment

01. JetBrains

▼ Download

최고의 Java 및 Kotlin IDE인 IntelliJ IDEA를 다운로드하세요

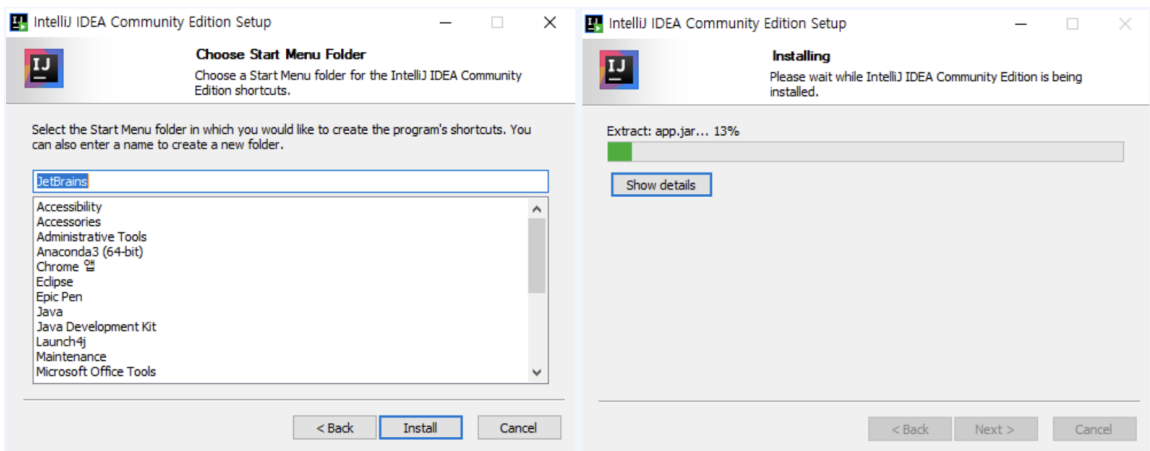
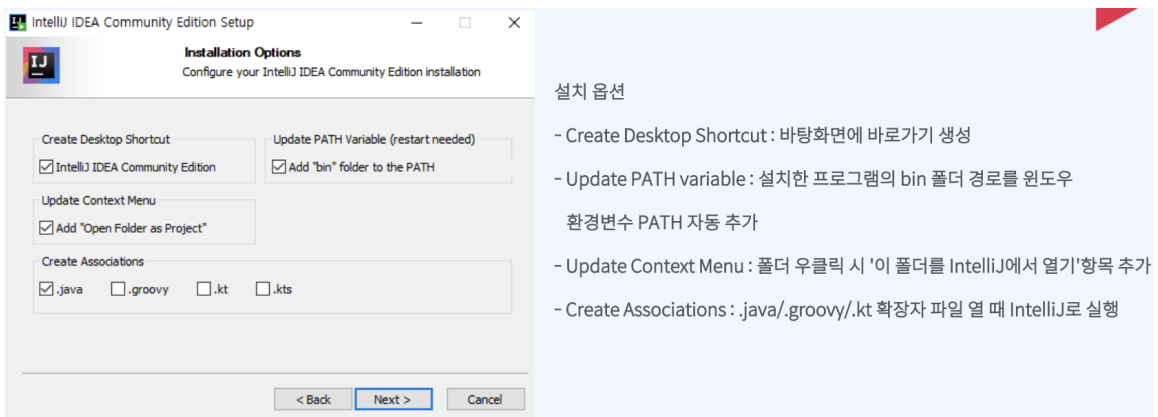
Windows, macOS 또는 Linux용 최신 버전의 IntelliJ IDEA를 다운로드하세요.

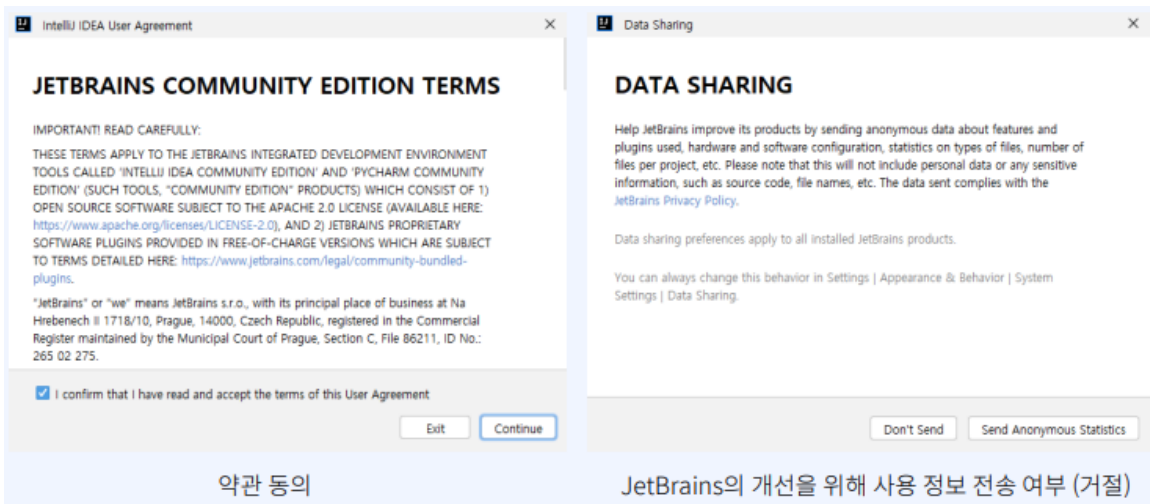
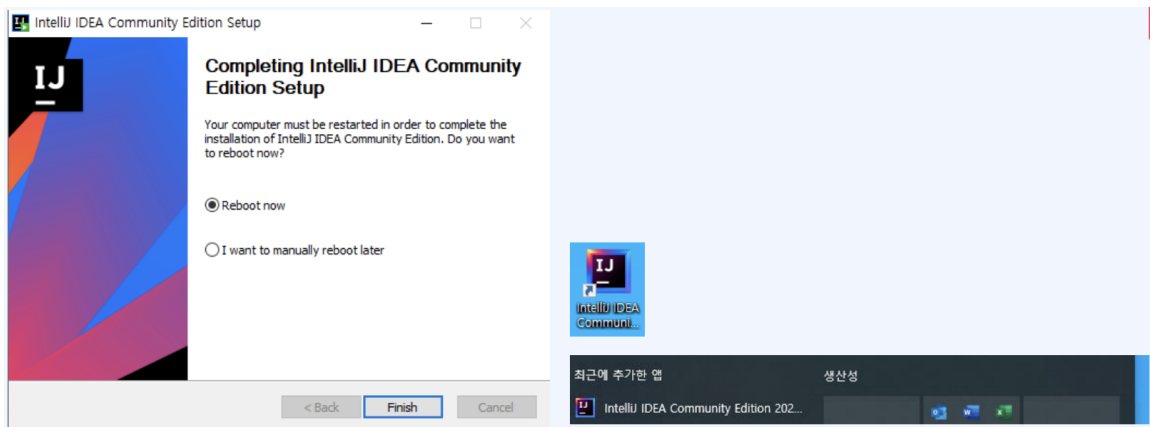
 <https://www.jetbrains.com/ko-kr/idea/download/?section=windows>

IntelliJ IDEA
JetBrains IDE

**The Leading Java
and Kotlin IDE**

▼ Install





▼ Test

