



실습 환경 준비



학습내용

- 1 실습 환경 확인
- 2 실습 환경 구축

학습목표

- 데이터엔지니어링 학습을 위한 실습 환경을 확인할 수 있다.
- 데이터엔지니어링 학습을 위한 실습 환경을 구축할 수 있다.



Data Up



Open JDK 15

**Eclipse IDE for Enterprise Java
and Web Developers**



Open JDK 15

Microsoft Windows 10 기준

<https://jdk.java.net/archive/>

jdk.java.net

GA Releases

JDK 16

JMC 8

Early-Access

Releases

JDK 17

Loom

Metropolis

Panama

Valhalla

Reference

Implementations

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

Feedback

Report a bug

Archive

Archived OpenJDK

This page is an archive of
GNU General Public License

WARNING: These older versions
issues in older systems. They
are not recommended for

Releases

16 GA (build 16)

Linux/AArch64

64-bit

tar.gz (sha256) 163M

Linux/x64

64-bit

tar.gz (sha256) 187M

Source

Tags are jdk-16+36, jdk-16-ga

15.0.2 (build 15.0.2+9)

Windows

64-bit

zip (sha256) 187M

Mac

64-bit

tar.gz (sha256) 184M

Linux/AArch64

64-bit

tar.gz (sha256) 163M

Linux/x64

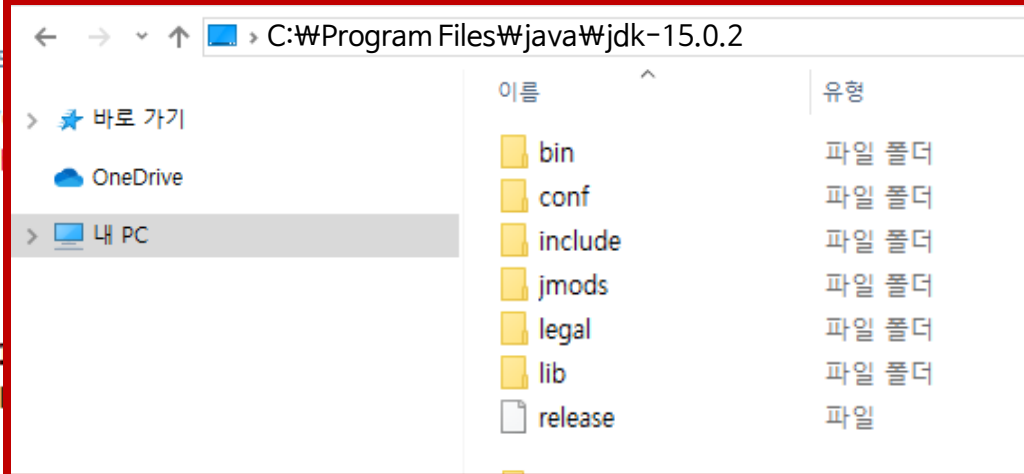
64-bit

tar.gz (sha256) 187M

Source

Tags are jdk-15.0.2+7, jdk-15.0.2-ga

압축파일을 해제했을 때의 화면

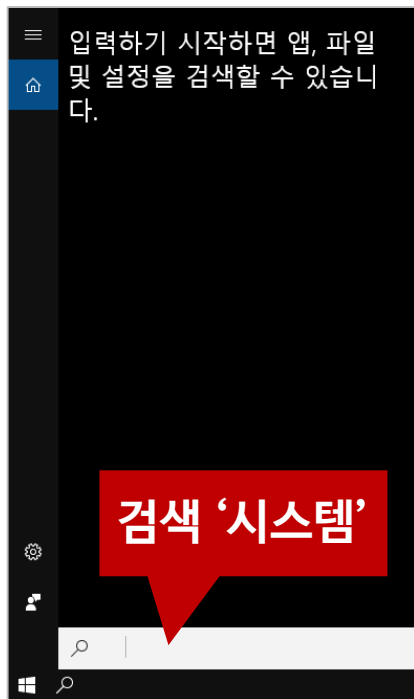


클릭 후 설치

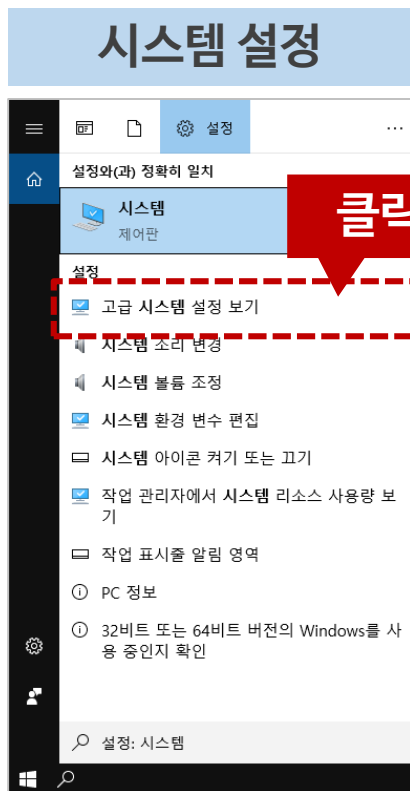
환경 변수 설정

Bin 폴더에 있는 실행파일이 어디서든 실행되게 함

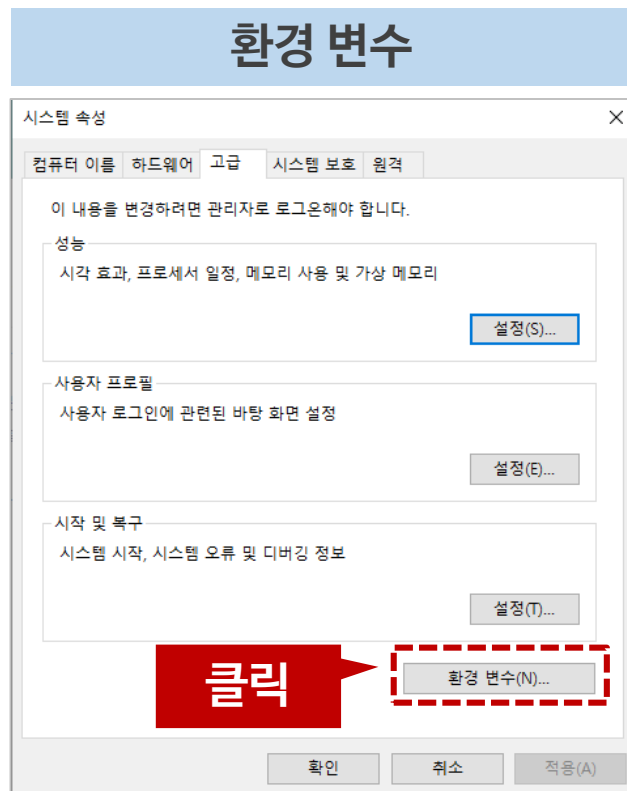
윈도우 '검색'



시스템 설정



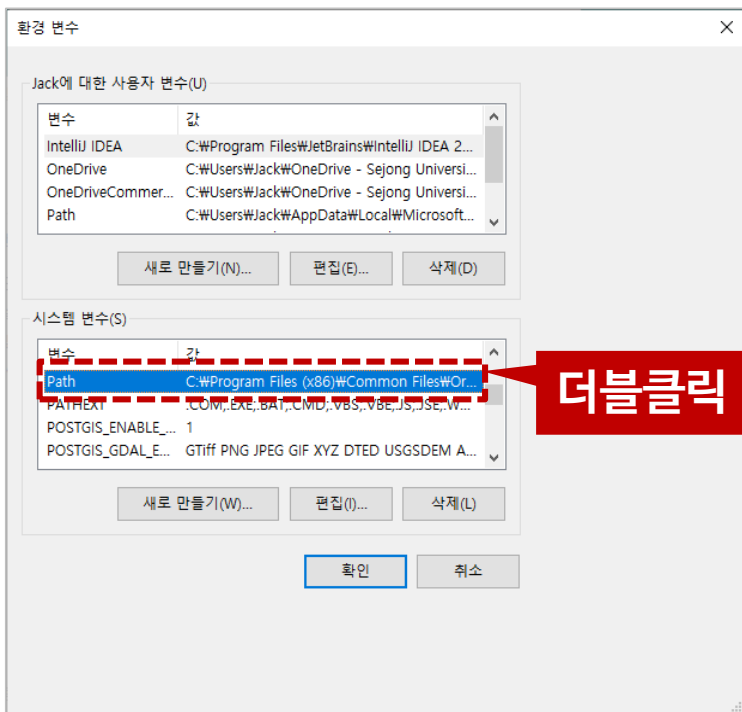
환경 변수



환경 변수 설정

Bin 폴더에 있는 실행파일이 어디서든 실행되게 함

‘시스템 변수의 Path’ 더블클릭



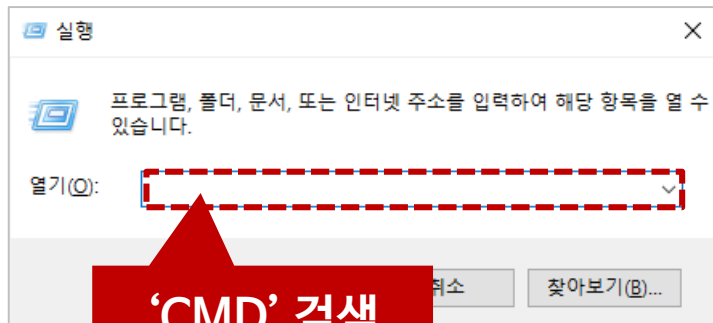
‘Java 설치장소\bin’ 추가



환경 변수 설정

Bin 폴더에 있는 실행파일이 어디서든 실행되게 함

실행(윈도우 키 +R키) 및 검색



명령프롬프트 창에서 java-version 확인



Eclipse IDE for Enterprise Java and Web Developers

Microsoft Windows 10 기준

[https://www.eclipse.org/
downloads/packages/](https://www.eclipse.org/downloads/packages/)



Eclipse IDE 2021-03 R Packages



Eclipse IDE for Java Developers

328 MB 787,944 DOWNLOADS

The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Maven and Gradle integration



Windows x86_64
macOS x86_64
Linux x86_64 | AArch64



Eclipse IDE for Enterprise Java and Web Developers

519 MB 537,930 DOWNLOADS

Tools for developers working with Java and Web applications, including a Java IDE, tools for JavaScript, TypeScript, JavaServer Pages and Faces, Yaml, Markdown, Web Services, JPA and Data Tools, Maven and Gradle, Git, and more.

Click [here](#) to file a bug against Eclipse Web Tools Platform.
Click [here](#) to file a bug against Eclipse Platform.
Click [here](#) to file a bug against Maven integration for web projects.
Click [here](#) to report an issue against Eclipse Wild Web Developer (incubating).

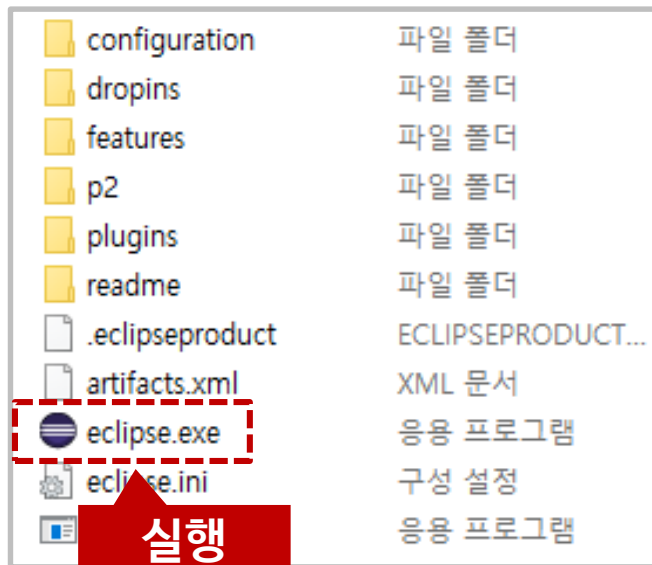


클릭 후 설치

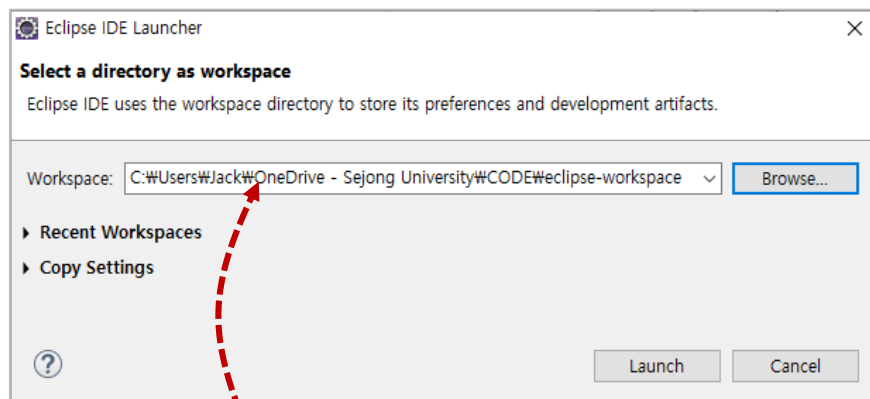
Windows x86_64
macOS x86_64
Linux x86_64 | AArch64



압축 해제 후 eclipse.exe 실행

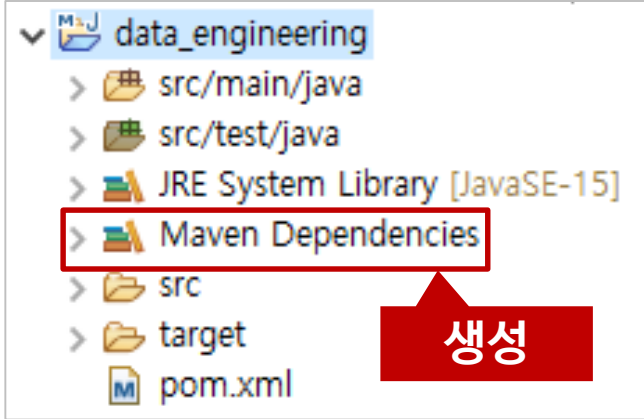


Workspace 위치 설정

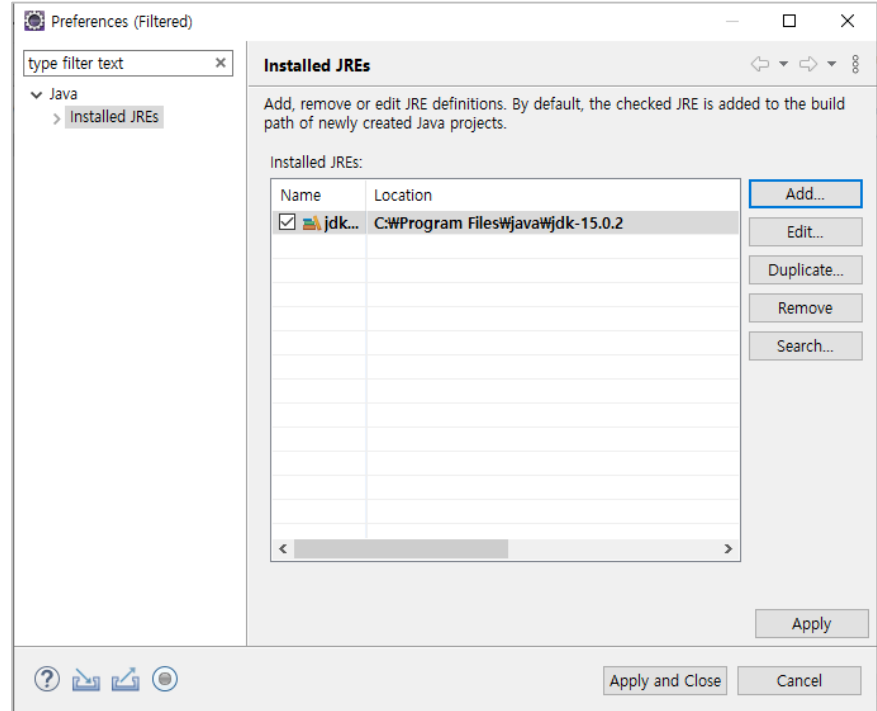


Workspace
(Eclipse 프로젝트의 관리 단위)

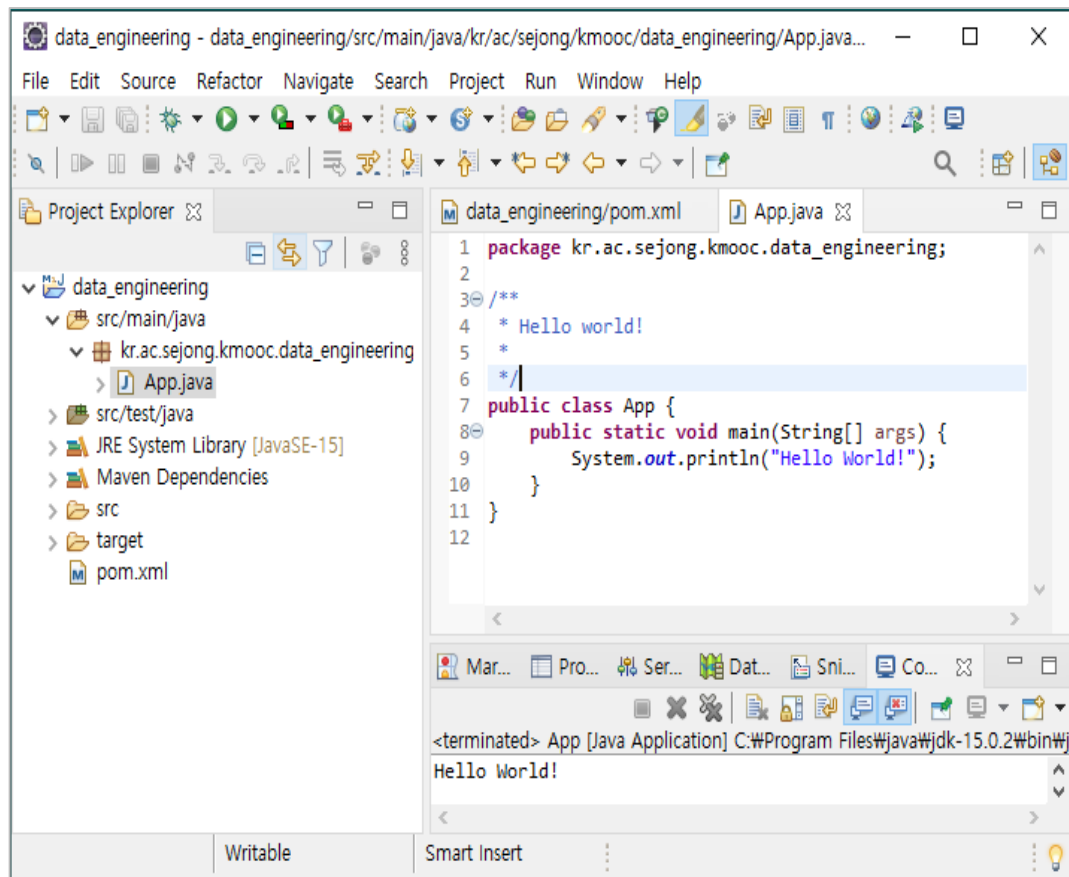
Maven 프로젝트 생성



Java JDK 위치 설정



Hello World 프로그램 작성



The screenshot shows an IDE window titled "data_engineering - data_engineering/src/main/java/kr/ac/sejong/kmooc/data_engineering/App.java...". The interface includes a menu bar (File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, Help), a toolbar, and a Project Explorer on the left. The Project Explorer shows the project structure: data_engineering > src/main/java > kr.ac.sejong.kmooc.data_engineering > App.java. The main editor displays the code for App.java, which is a simple Java class with a main method that prints "Hello World!". The code is as follows:

```

1 package kr.ac.sejong.kmooc.data_engineering;
2
3 /**
4  * Hello world!
5  *
6  */
7 public class App {
8     public static void main(String[] args) {
9         System.out.println("Hello World!");
10    }
11 }
12

```

At the bottom of the IDE, there is a console window showing the output of the program: "Hello World!". The status bar at the bottom indicates "Writable" and "Smart Insert".

Remind

실습 환경 준비

Open JDK 15 버전

Eclipse IDE

자료 출처

#01 java, 2021, URL : <https://jdk.java.net/archive>

#02 eclipse, 2021, URL : <https://www.eclipse.org/downloads/packages/>