

The word "Spring" is written in a white, stylized, handwritten-style font on a dark blue background.

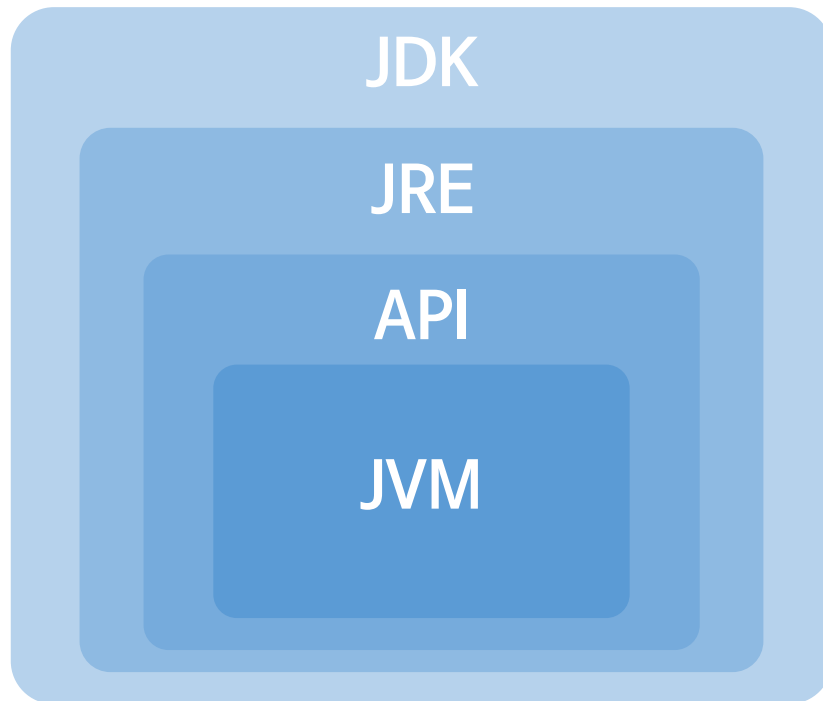
2강_개발 환경 구축

스프링을 이용한 애플리케이션 구축에 필요한 개발 환경에 대해서 학습합니다.

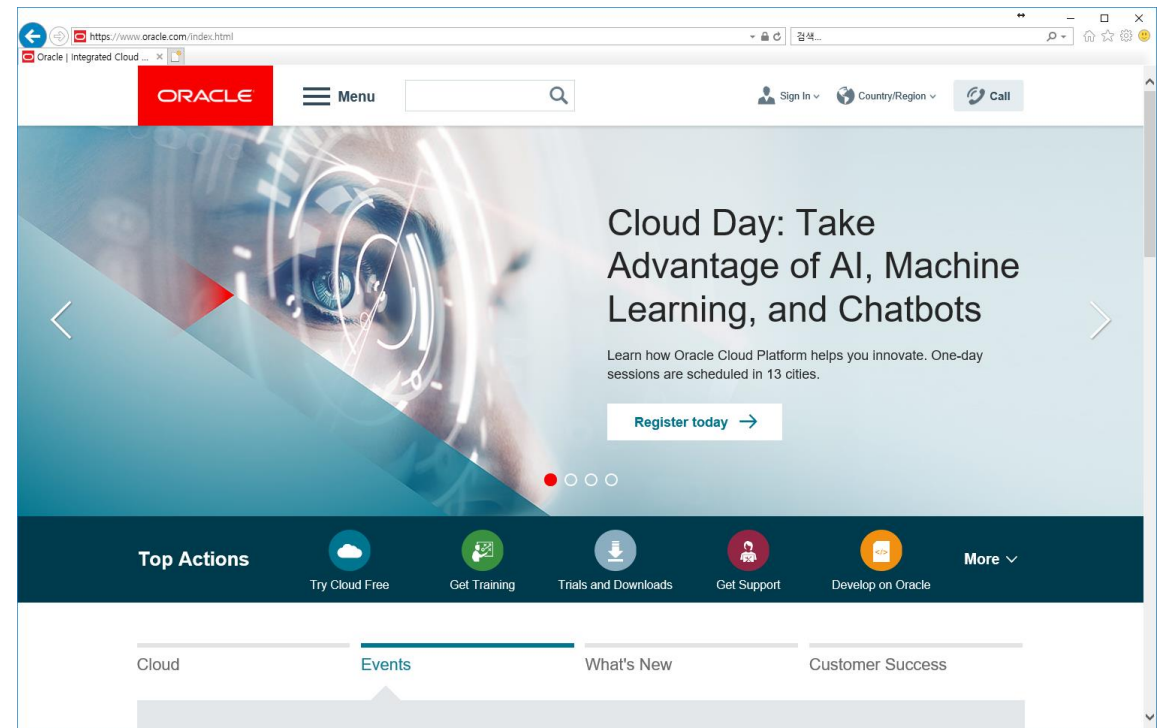
- 2-1 Java 설치
- 2-2 환경변수 설정
- 2-3 IDE(이클립스) 다운로드

2-1 : Java 설치

JDK (Java Development Kit) 설치



개발자는 JDK가 있어야 개발을 할 수 있고,
단지 프로그램만을 사용하는 사용자라면 JRE만 설치되어 있으면 된다.





2-1 : Java 설치

JDK(Java Development Kit) 설치

Oracle Technology Network / Java / Java SE / Downloads

Overview Downloads Documentation Community Technologies Training

Java SE

Java EE

Java ME

Java SE Advanced & Suite

Java Embedded

Java DB

Web Tier

Java Card

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Java Magazine

Java SE Development Kit 8 Downloads

Thank you for downloading this release of the Java™ Platform, Standard Edition Development Kit (JDK™). The JDK is a development environment for building applications, applets, and components using the Java programming language.

The JDK includes tools useful for developing and testing programs written in the Java programming language and running on the Java platform.

See also:

- Java Developer Newsletter: From your Oracle account, select Subscriptions, expand Technology, and subscribe to Java.
- Java Developer Day hands-on workshops (free) and other events
- Java Magazine

JDK 8u151 checksum
JDK 8u152 checksum

Java SE Development Kit 8u151

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| Linux x86 | 168.95 MB | jdk-8u151-linux-i586.rpm |
| Linux x86 | 163.73 MB | jdk-8u151-linux-i686.tar.gz |
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| Linux x64 | 180.95 MB | jdk-8u151-linux-x64.tar.gz |
| macOS | 247.06 MB | jdk-8u151-macosx-x64.dmg |
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| Solaris x64 | 140.65 MB | jdk-8u151-solaris-x64.tar.Z |
| Solaris x64 | 97 MB | jdk-8u151-solaris-x64.tar.gz |
| Windows x86 | 198.04 MB | jdk-8u151-windows-i586.exe |
| Windows x64 | 205.95 MB | jdk-8u151-windows-x64.exe |

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Java SE Development Kit 8u152

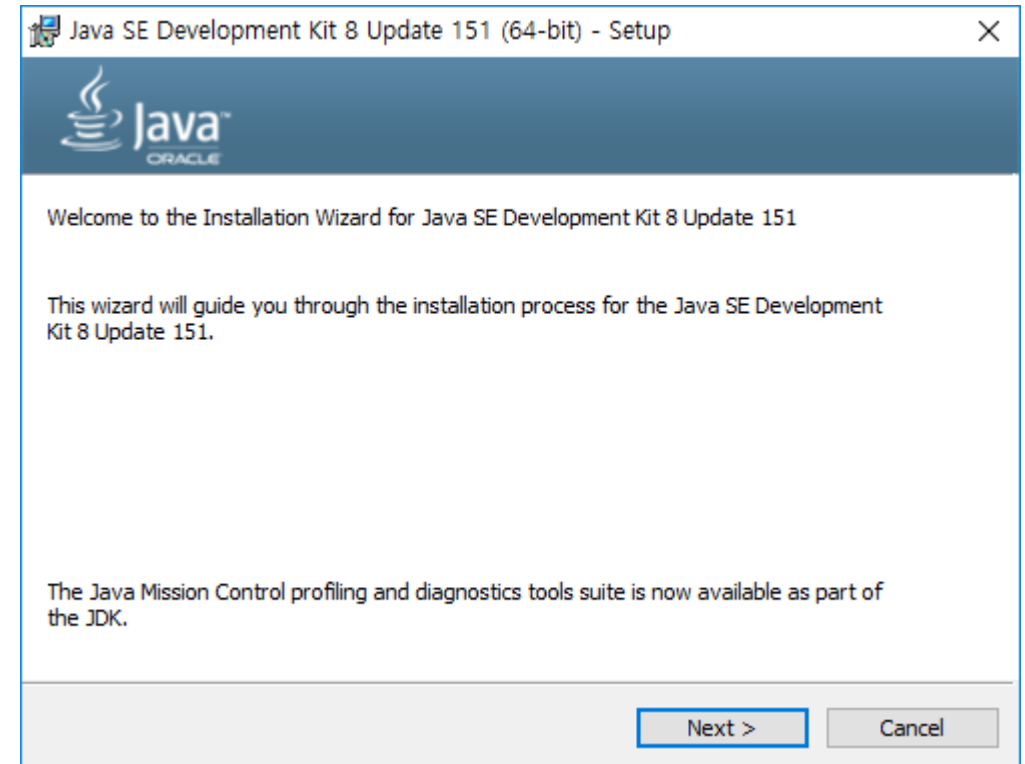
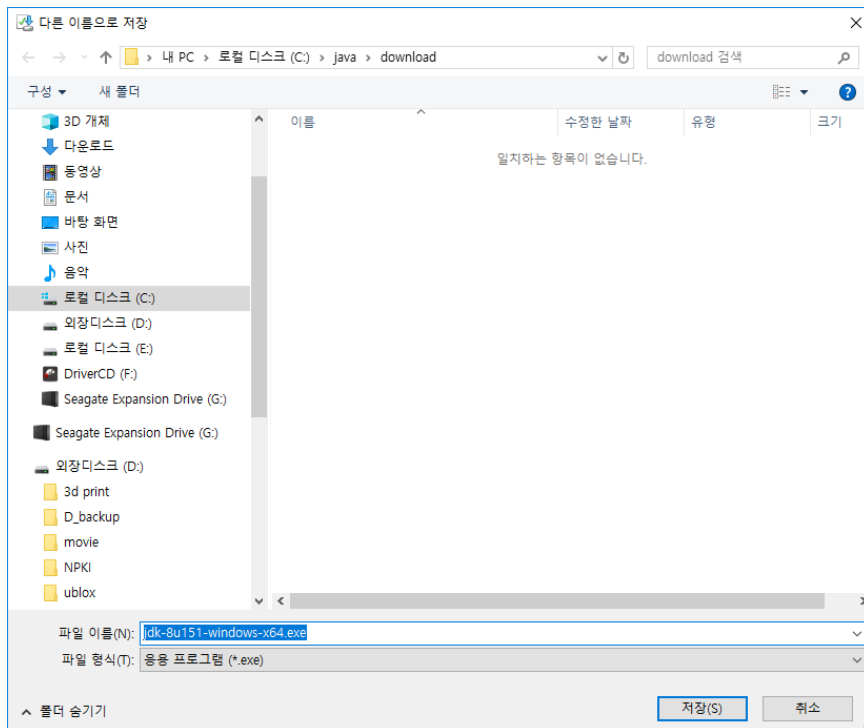
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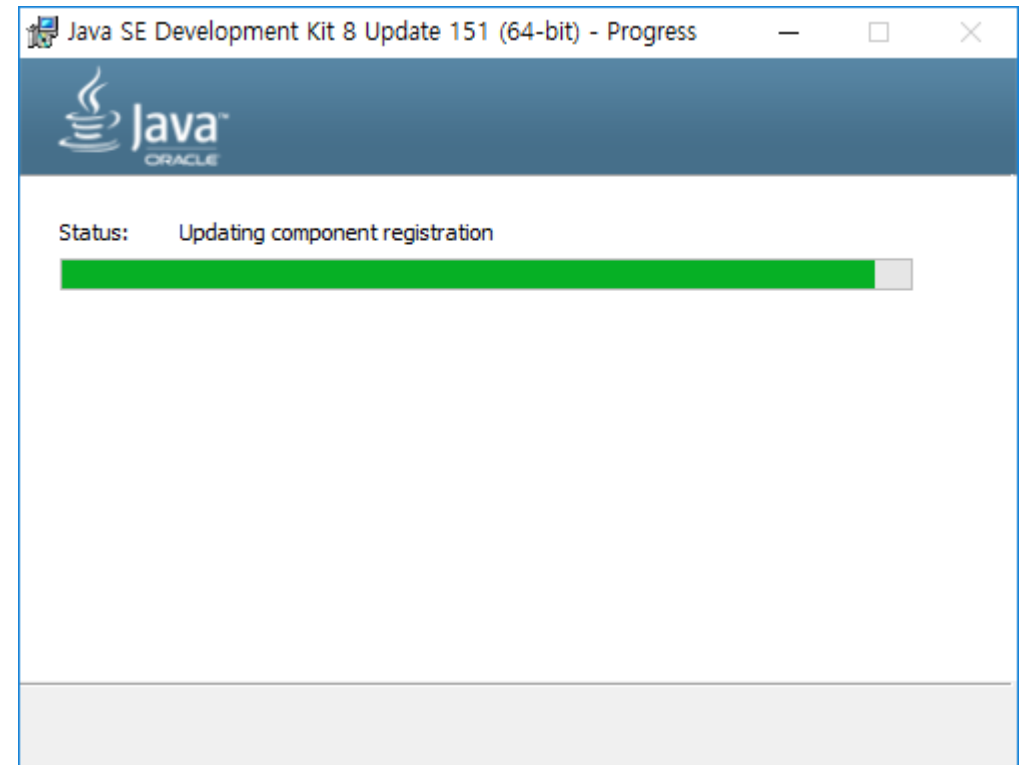
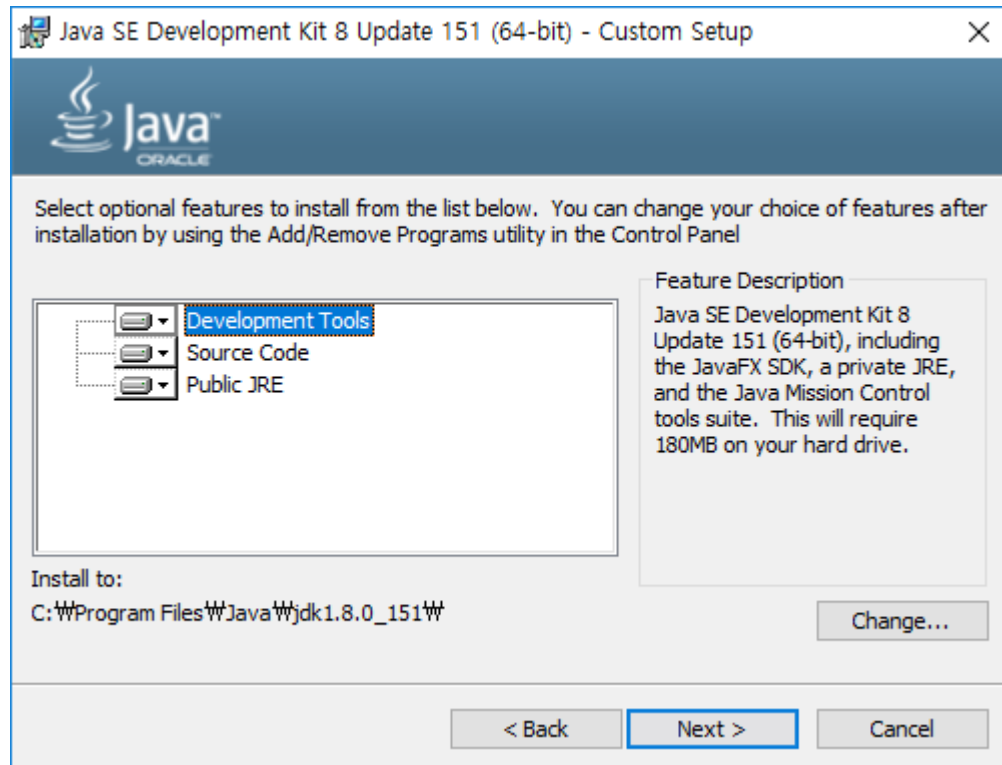
2-1 : Java 설치

JDK(Java Development Kit) 설치



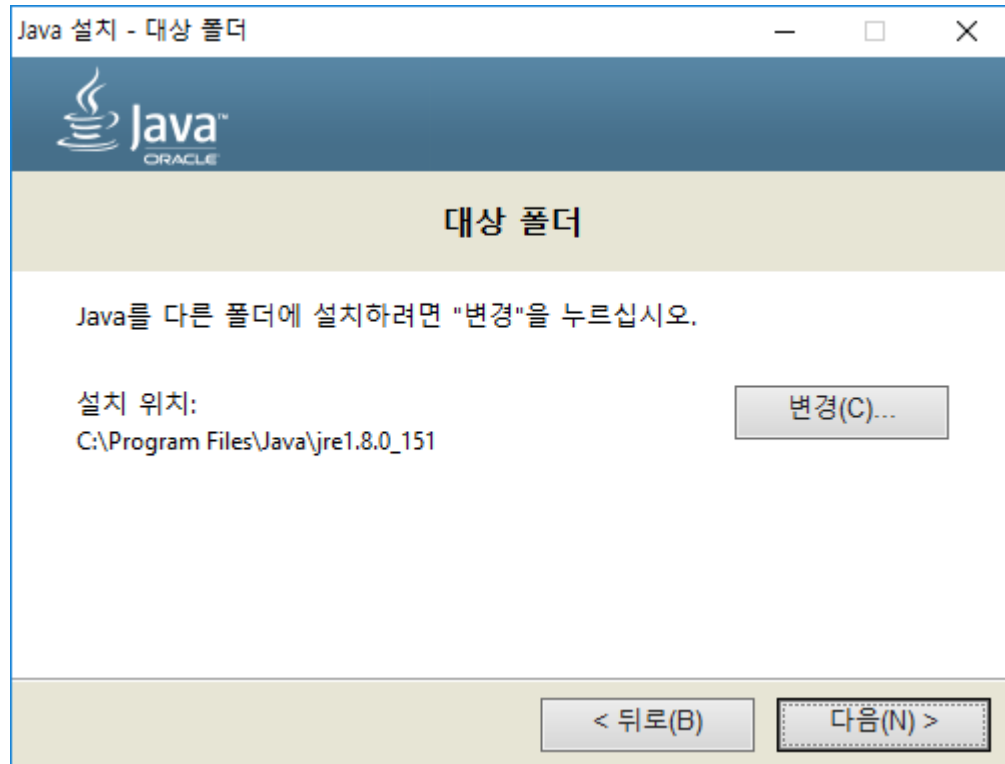
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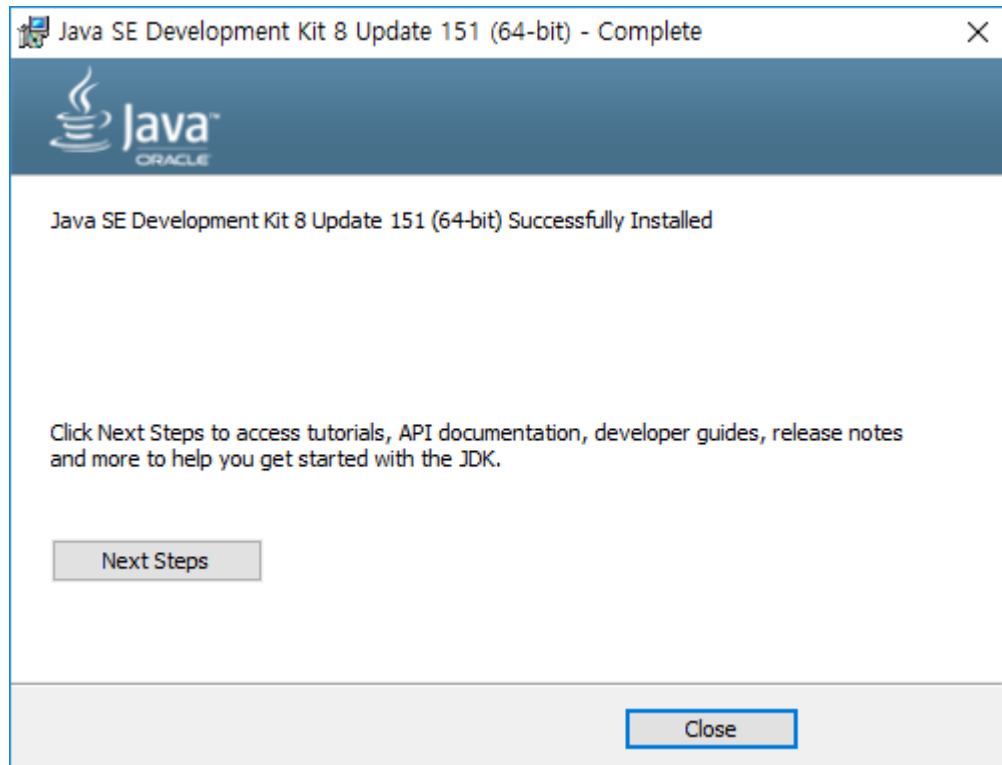
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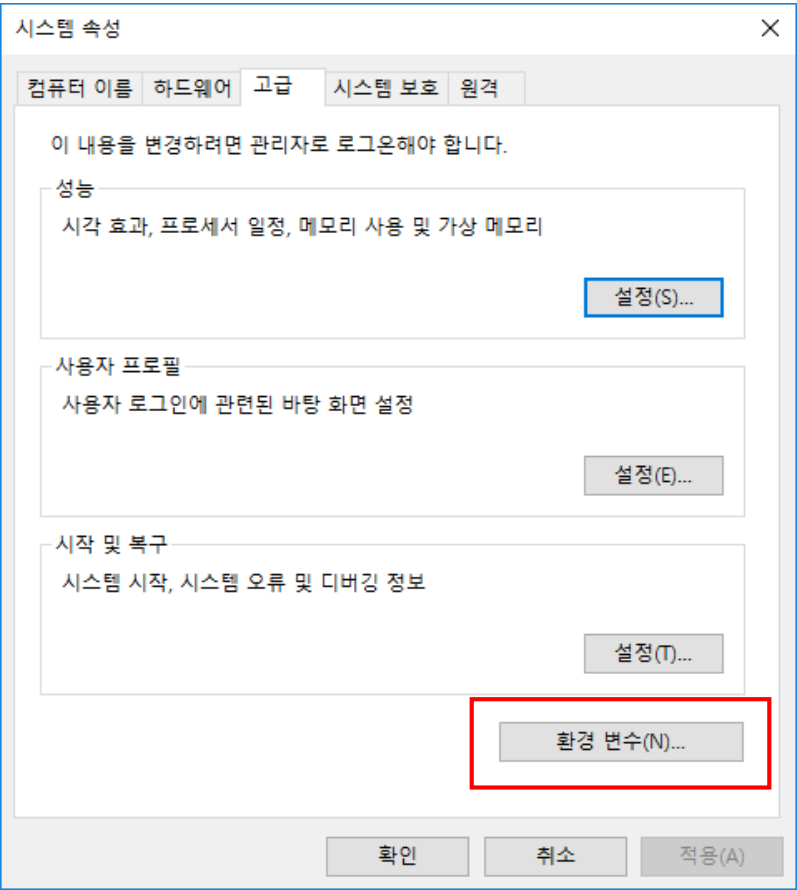
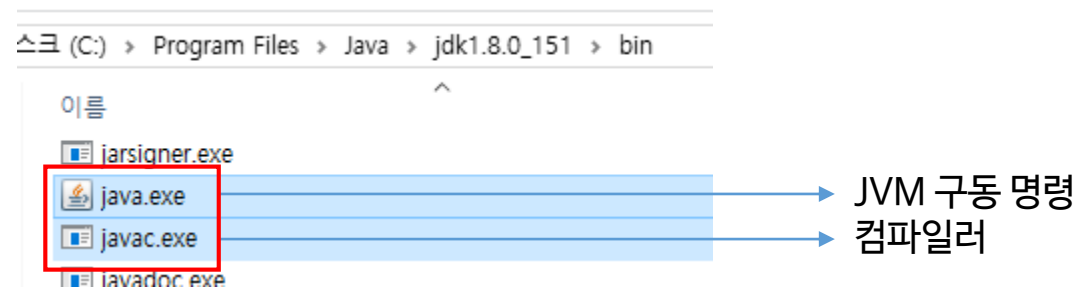
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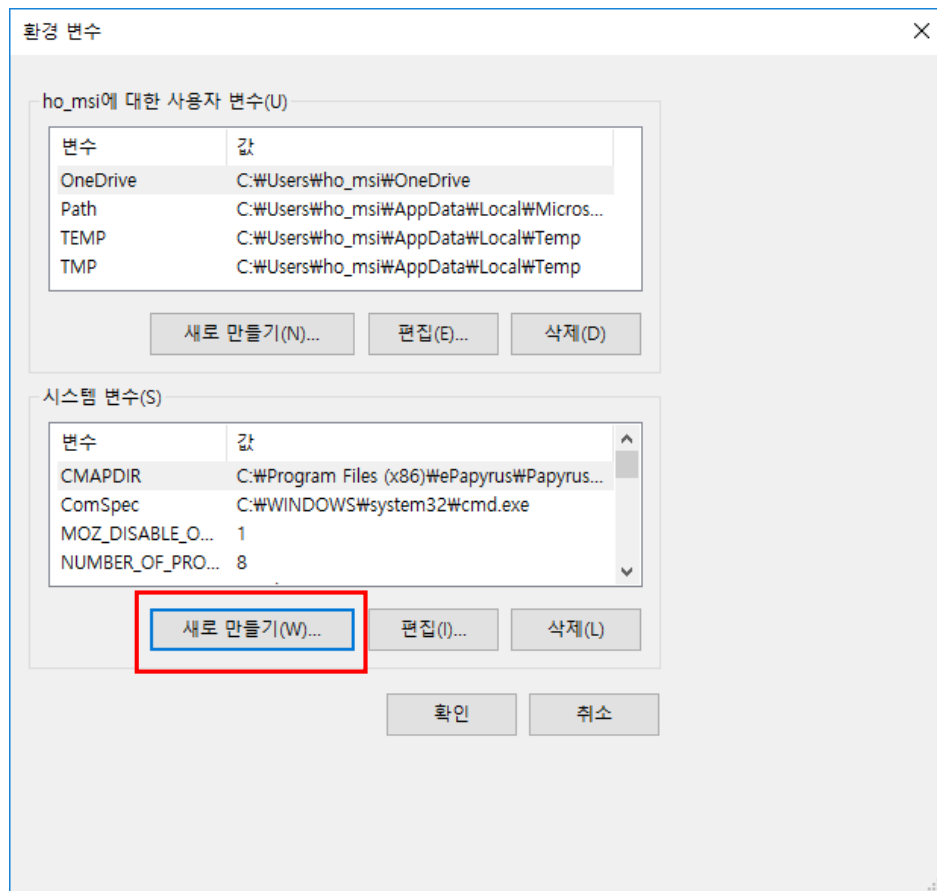
2-2 : 환경변수 설정

javac.exe, java.exe를 다른 디렉토리에서도 실행할 수 있도록 하기 위해 환경 변수(Path)에 bin 경로를 등록 한다.

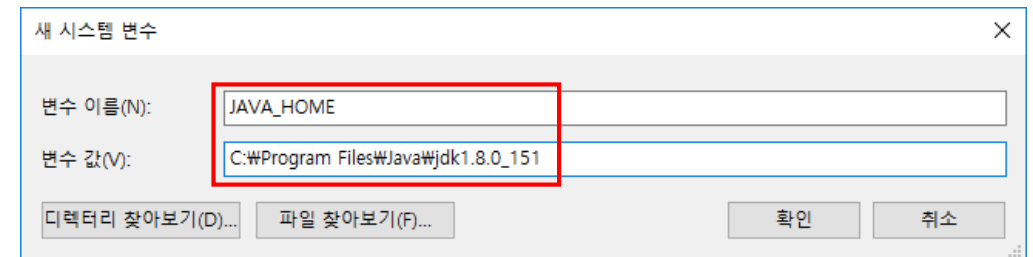


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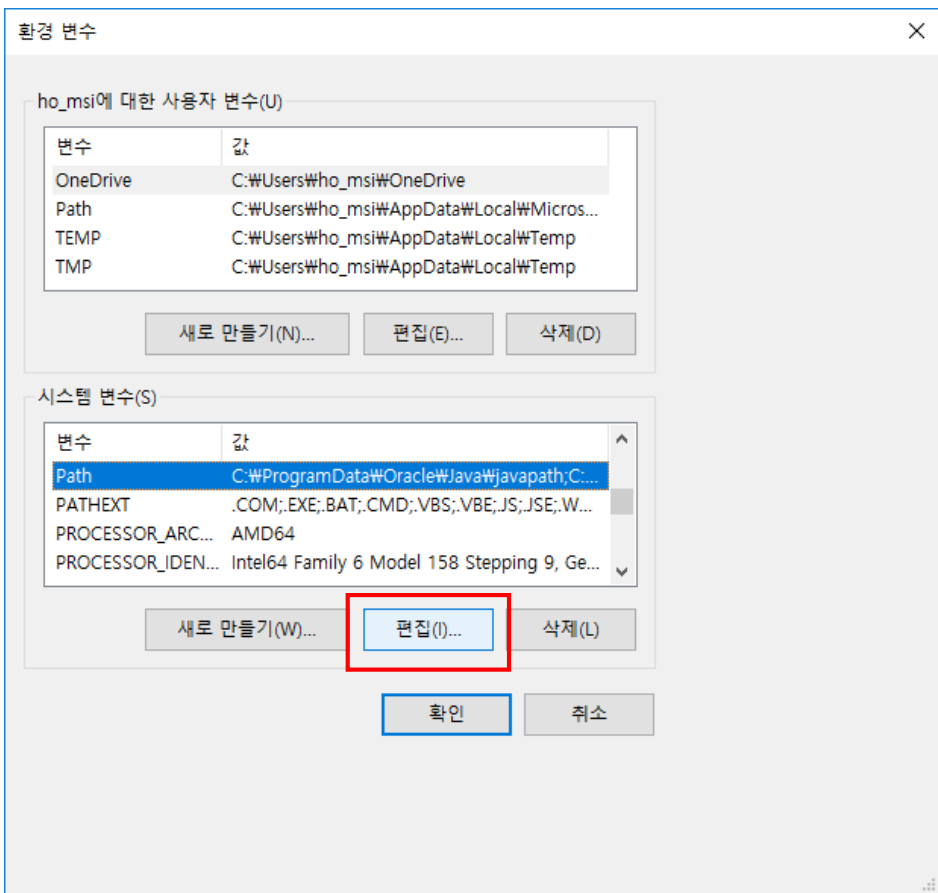


JAVA_HOME 환경 변수 추가

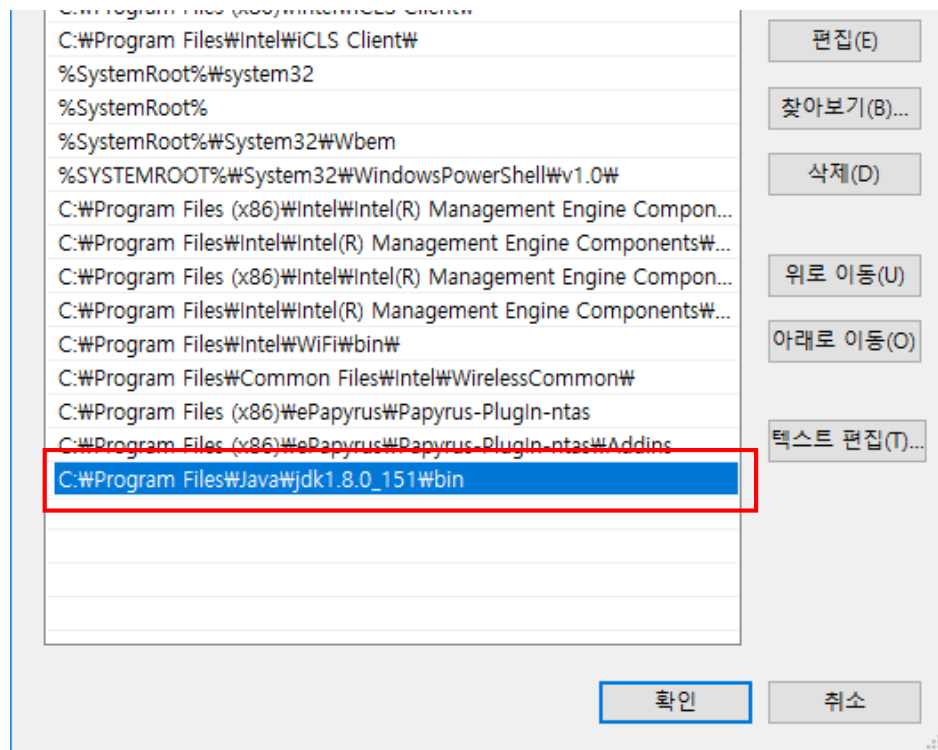


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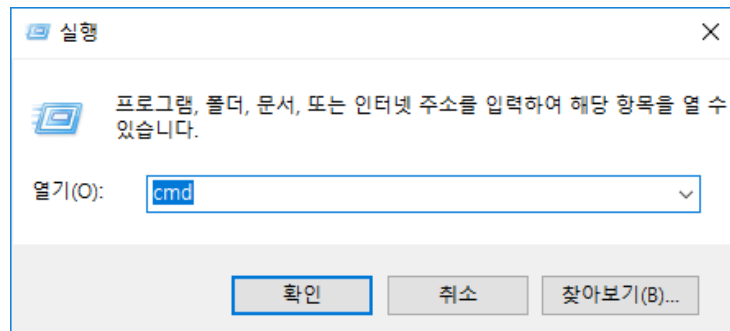
Path 환경 변수에 JDK의 bin 디렉토리 추가



2-2 : 환경변수 설정

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Path 환경 변수 확인



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.16299.192]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\who_msi>java -version
java version "1.8.0_151"
Java(TM) SE Runtime Environment (build 1.8.0_151-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.151-b12, mixed mode)

C:\Users\who_msi>
```

2-3 : IDE(이클립스) 다운로드

IDE(Integrated Development Environment : 통합개발환경) 설치 - eclipse

The diagram illustrates the process of downloading Eclipse IDE. It starts with the Eclipse homepage (https://www.eclipse.org/home/index.php) and shows a green arrow pointing to the download page (https://www.eclipse.org/downloads/).

Eclipse Homepage (https://www.eclipse.org/home/index.php):

- Header: Eclipse logo, navigation links (GETTING STARTED, MEMBERS, PROJECTS, MORE), and a prominent **DOWNLOAD** button.
- Main Content: "Eclipse Is..." section with a background image of a crowd. It highlights "An amazing open source community of **Tools, Projects** and **Collaborative Working Groups**." Below this are three circular icons: "IDE & Tools", "Community of Projects", and "Collaborative Working Groups".
- Footer: "ANNOUNCEMENTS" and "COMMUNITY NEWS" sections. The announcements include "Eclipse Newsletter | Capella: open source MBSE solution" and "Open Source Community Accelerates Big Data". The community news includes "Buildship 2.2 Release Supports Java 9, Runtime Classpath Separation and More" and "The First Nine Projects Proposed for EE4j".

Eclipse Downloads Page (https://www.eclipse.org/downloads/):

- Header: Eclipse logo, navigation links, and a search bar.
- Main Content: "Download Eclipse Technology that is right for you" section. It features a large "ORACLE Enterprise Pack for Eclipse" download button. Below this are sections for "Tool Platforms" (Get Eclipse **OXYGEN**, Eclipse Che, Orion) and "Runtime Platforms" (Jetty, Equinox, Concierge, RAP).
- Footer: Logos for various Eclipse-based technologies and their descriptions.

2-3 : IDE(이클립스) 다운로드

IDE(Integrated Development Environment : 통합개발환경) 설치 - eclipse

The image shows two screenshots of the Eclipse website, illustrating the process of downloading the IDE. A green arrow points from the left screenshot to the right screenshot, and another green arrow points down from the right screenshot.

Left Screenshot: Eclipse Downloads Page

The left screenshot shows the Eclipse Downloads page. The URL is <https://www.eclipse.org/downloads/eclipse-packages/>. The page features the Eclipse logo and navigation links: GETTING STARTED, MEMBERS, PROJECTS, and MORE. Below the navigation bar, there are several download options:

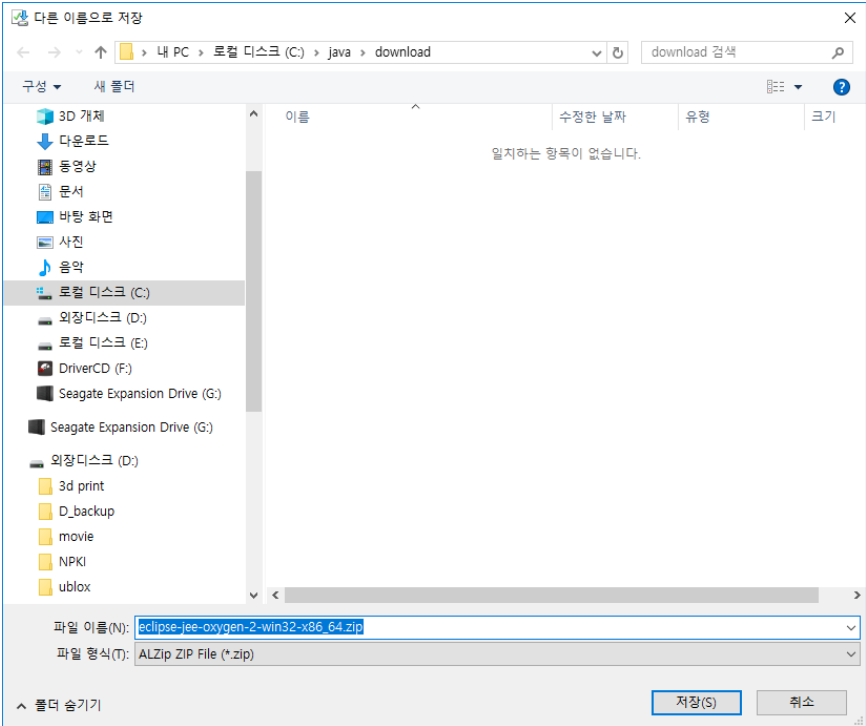
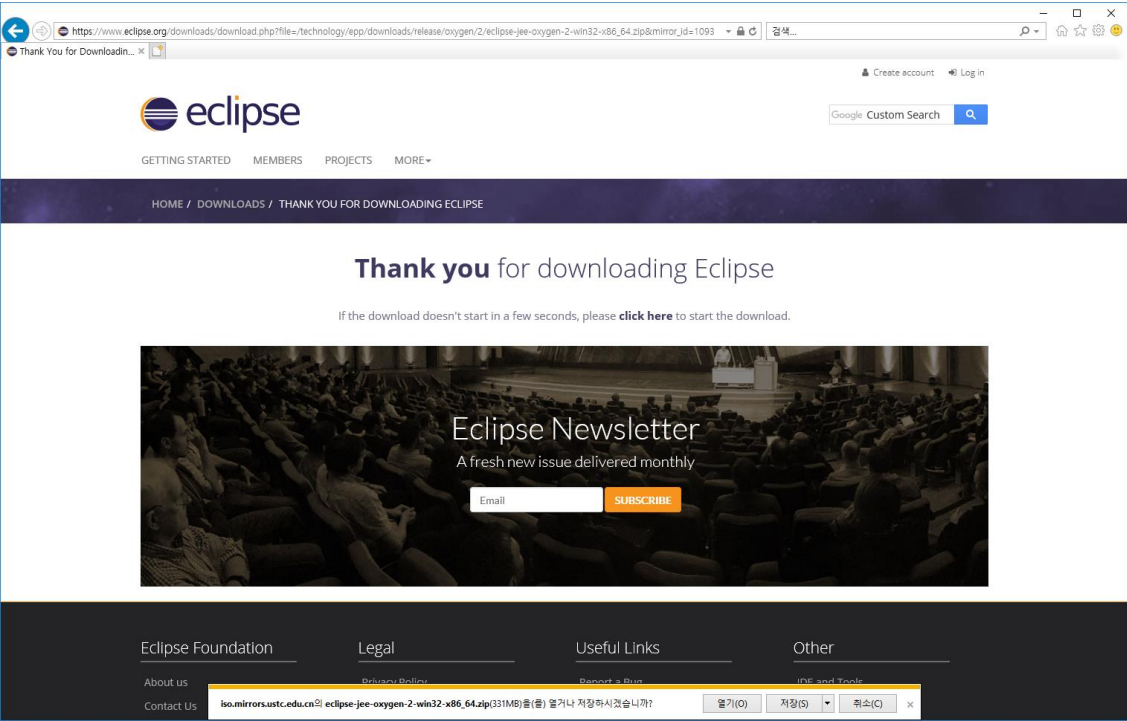
- Eclipse Oxygen.2 (4.7.2) Release for Windows:** 32 bit | 64 bit. Includes a link to "Try the Eclipse Installer" and "Find out more" (518,436 Downloads).
- Eclipse IDE for Java EE Developers:** 331 MB | 189,215 DOWNLOADS. Windows. 32 bit | 64 bit.
- JRebel for Eclipse IDE:** See Java Code Changes Instantly. Save Time. Reduce Stress. Finish Projects Faster! Promoted Download.
- Eclipse IDE for Java Developers:** 181 MB | 92,379 DOWNLOADS. Windows. 32 bit | 64 bit.

Right Screenshot: Eclipse Downloads - Select a Mirror

The right screenshot shows the "Eclipse Downloads - Select a Mirror" page. The URL is https://www.eclipse.org/downloads/download.php?file=/technology/epp/downloads/release/oxygen/2/eclipse-jeo-oxygen-2-win32-x86_64.zip. The page displays the Eclipse logo and navigation links. Below the navigation bar, there is a "DOWNLOAD" button and a link to "Select Another Mirror". The page also includes a section for "OR Get It Faster from our Members" with links to Obeo, Spring by Pivotal, and BLU AGE. A sidebar on the right contains links for "Learn more about creating your own programming languages and domain-specific languages (DSLs)", "OTHER OPTIONS FOR THIS FILE", and "RELATED LINKS".

2-3 : IDE(이클립스) 다운로드

IDE(Integrated Development Environment : 통합개발환경) 설치 - eclipse



2-3 : IDE(이클립스) 다운로드

