

JDK 설치

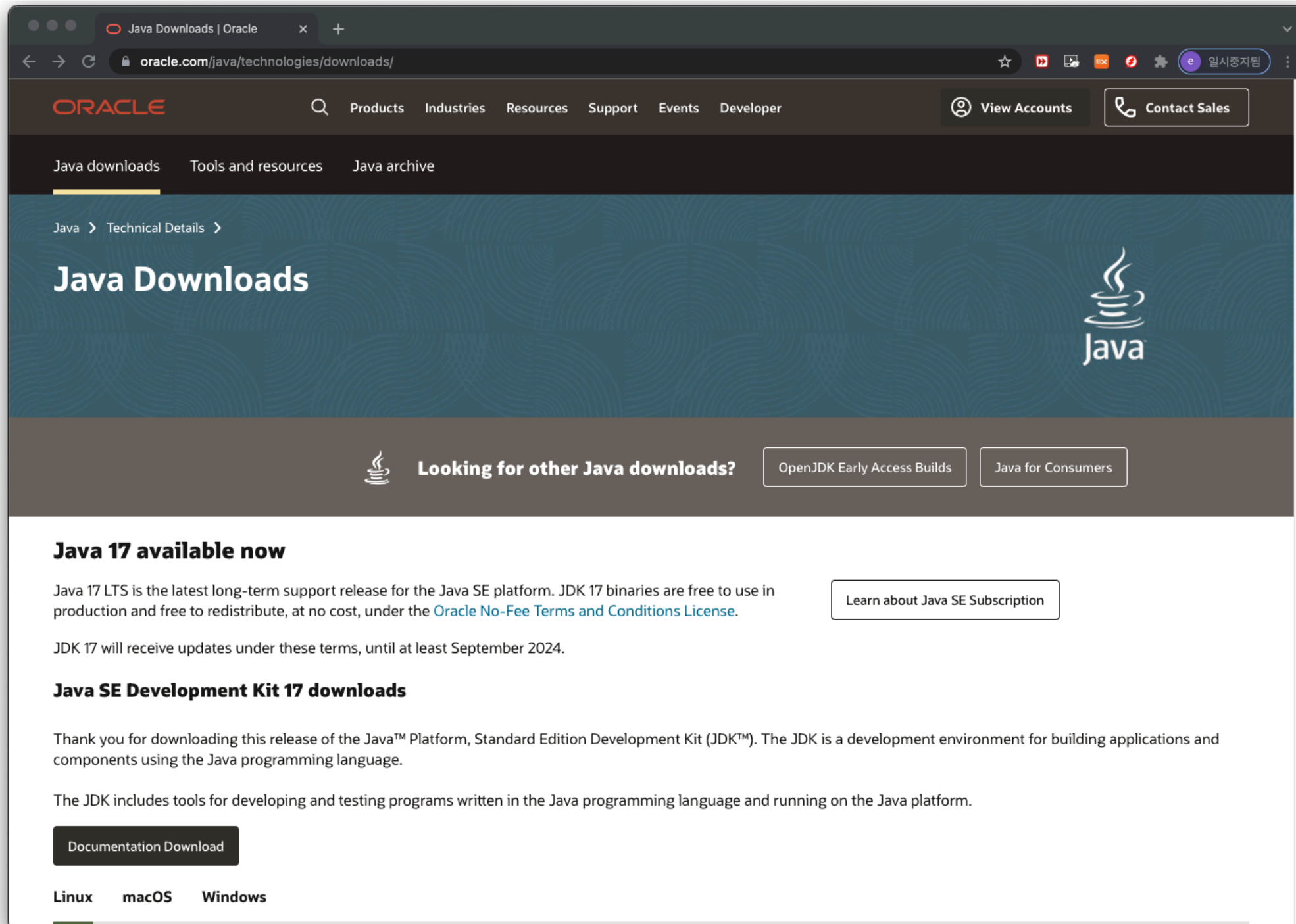


훈련교사 : 전 은 석

Java Download Index Page

<https://www.oracle.com/java/technologies/downloads/>

* **jdk를 다운받을때 오라클에 로그인이 되어야 하므로 회원가입을하고 로그인해서 다운로드를 진행한다.**



스크롤해서 jdk8을 찾는다.

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Java 16 Java 11 **Java 8** ← **클릭 - 1**

Java SE Development Kit 16.0.2

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

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JDK 16.0.2 [checksum](#)

Documentation Download

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Product/file description	File size	Download
ARM 64 RPM Package	144.87 MB	jdk-16.0.2_linux-aarch64_bin.rpm
ARM 64 Compressed Archive	160.73 MB	jdk-16.0.2_linux-aarch64_bin.tar.gz
x64 Debian Package	146.17 MB	jdk-16.0.2_linux-x64_bin.deb
x64 RPM Package	153.01 MB	jdk-16.0.2_linux-x64_bin.rpm
x64 Compressed Archive	170.04 MB	jdk-16.0.2_linux-x64_bin.tar.gz

OS에 맞는 파일을 다운받는다. 다운로드가 완료되면 기본설정으로 설치한다.

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Java 16 Java 11 **Java 8**

Java SE Development Kit 8u301

Java SE subscribers will receive JDK 8 updates until at least December of 2030.

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JDK 8u301 [checksum](#)

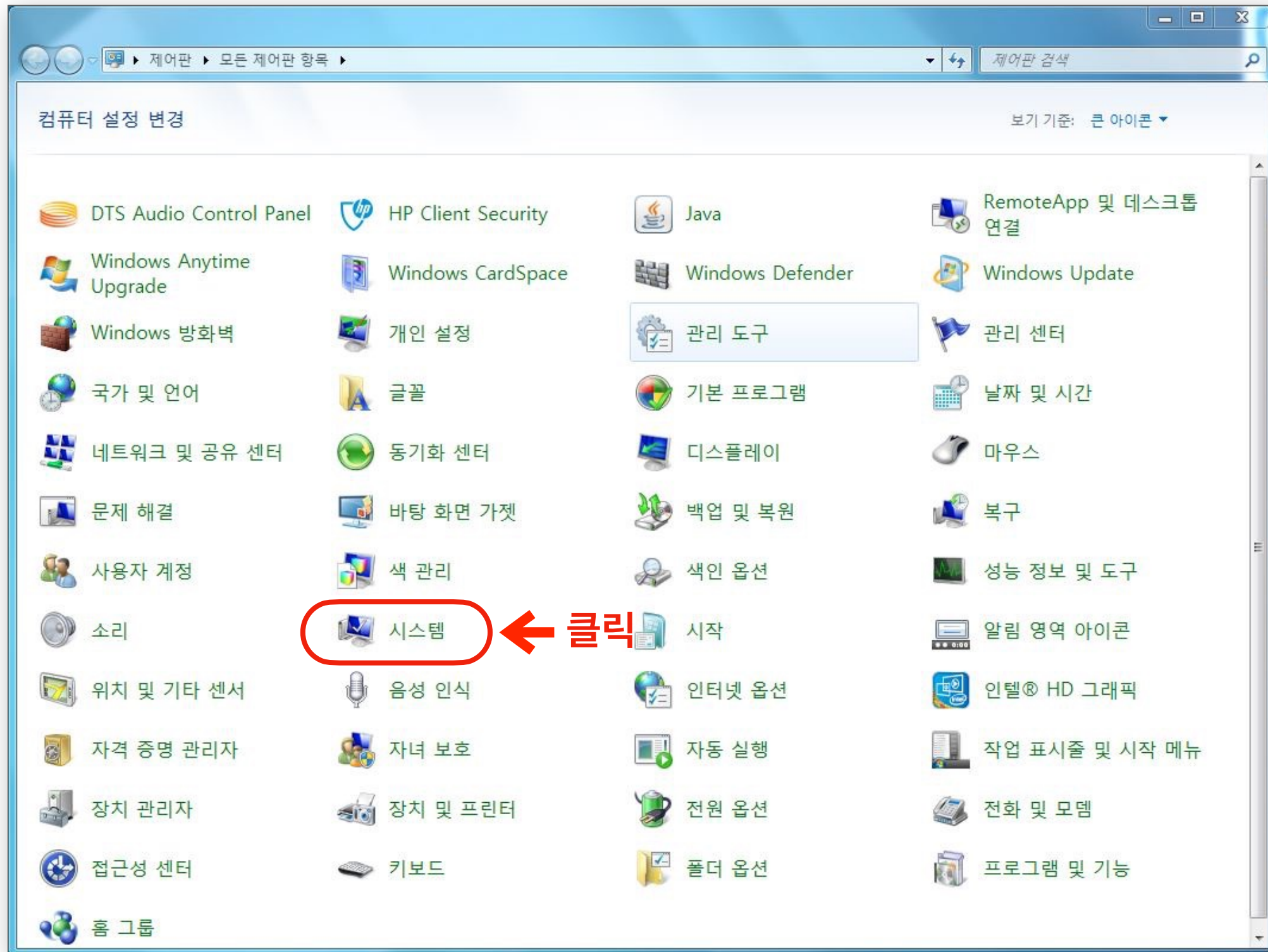
Documentation Download

Linux macOS Solaris **Windows**

Product/file description	File size	Download
x86 Installer	156.45 MB	jdk-8u301-windows-i586.exe
x64 Installer	169.46 MB	jdk-8u301-windows-x64.exe ← 클릭

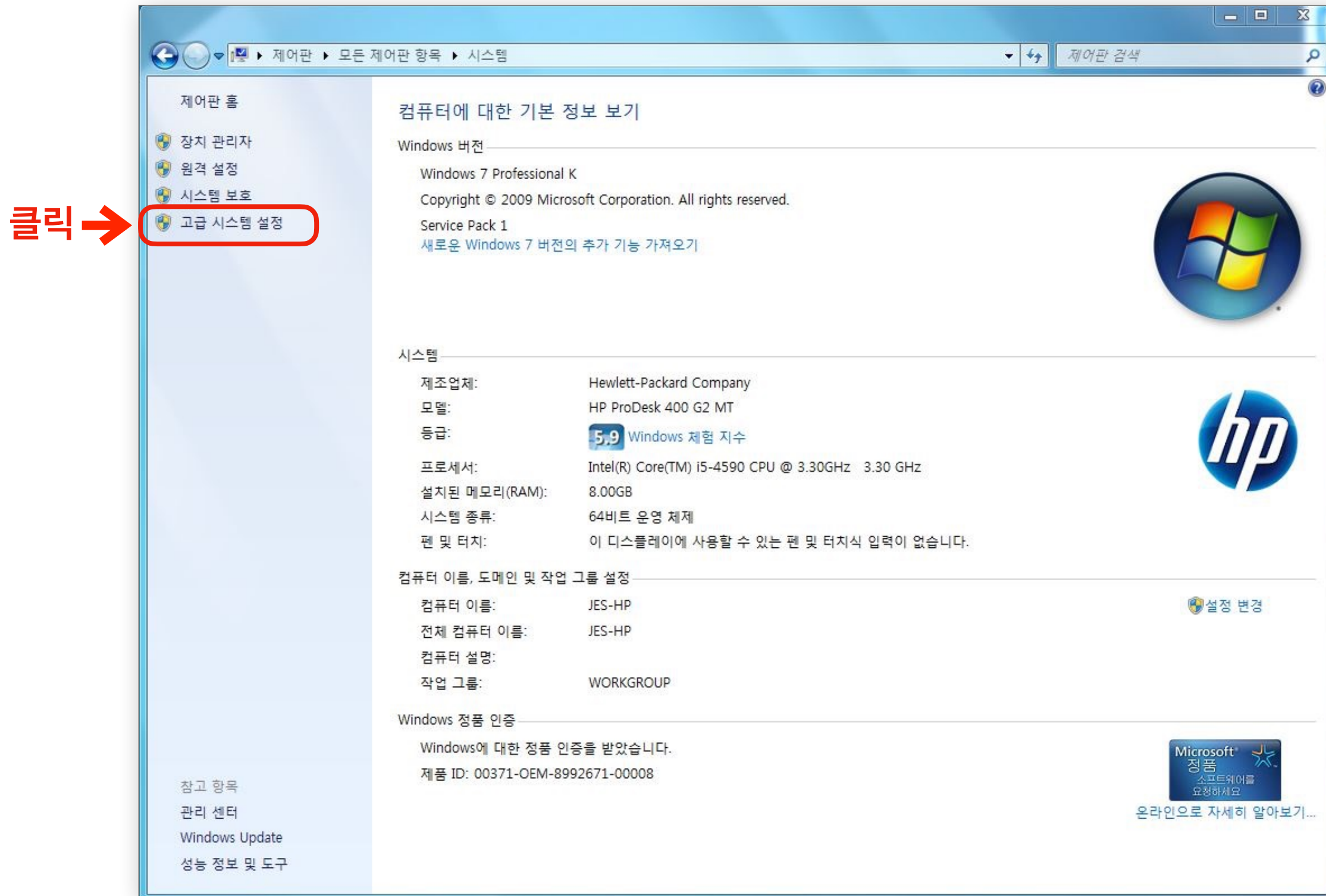
JRE 8

환경 변수 설정



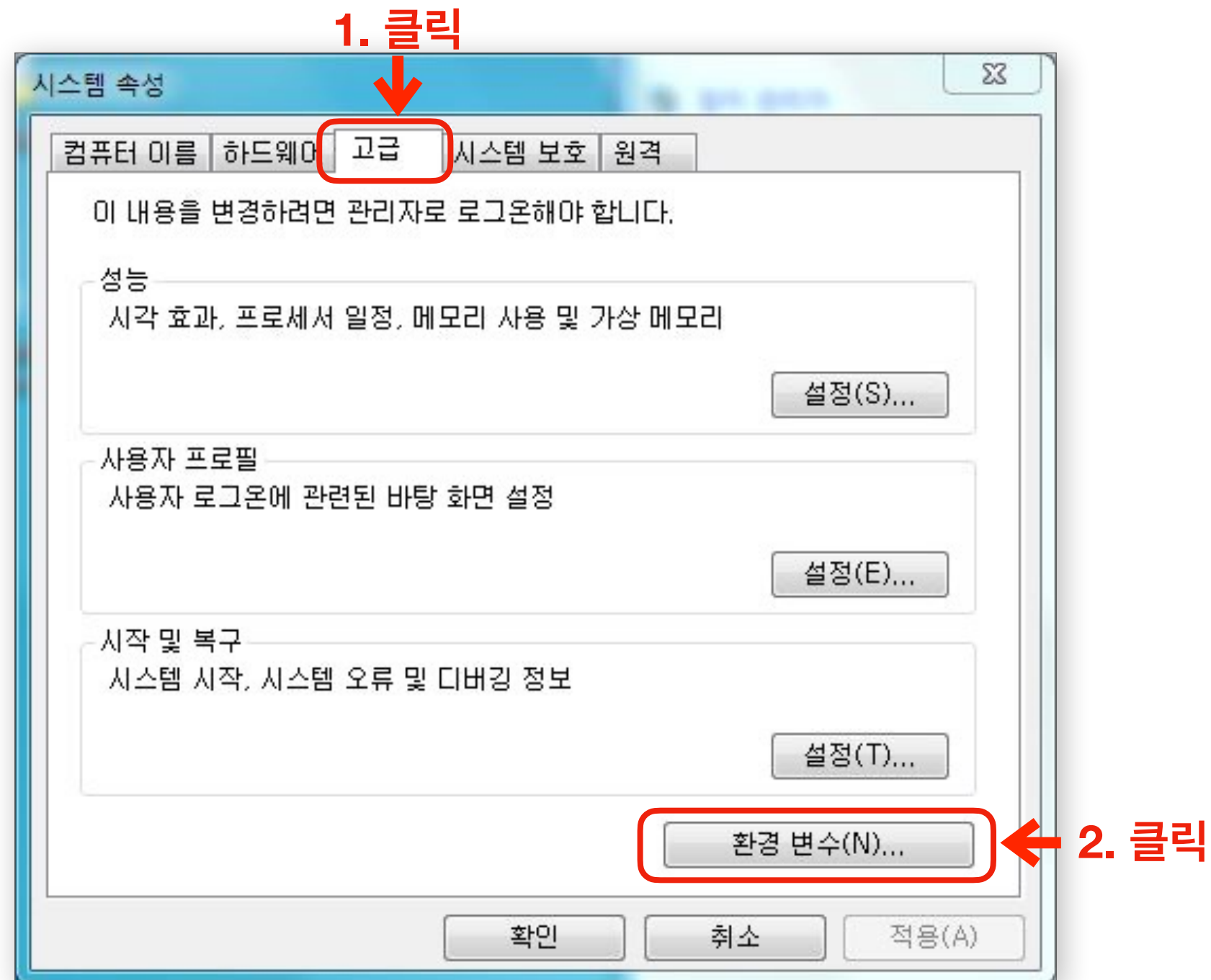
1. 제어판을 열어서 시스템을 클릭한다.

환경 변수 설정



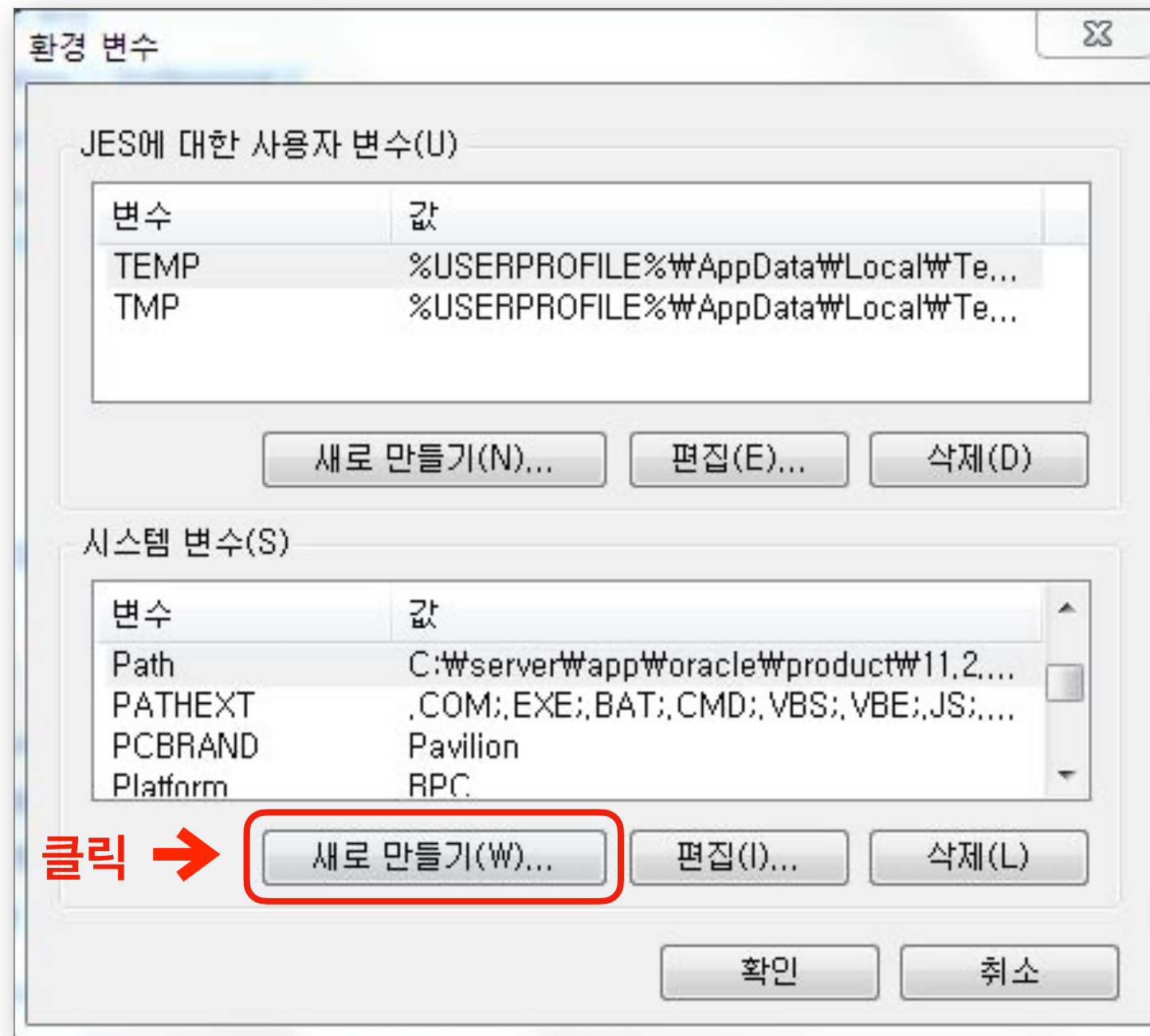
2. 고급 시스템 설정 클릭

환경 변수 설정



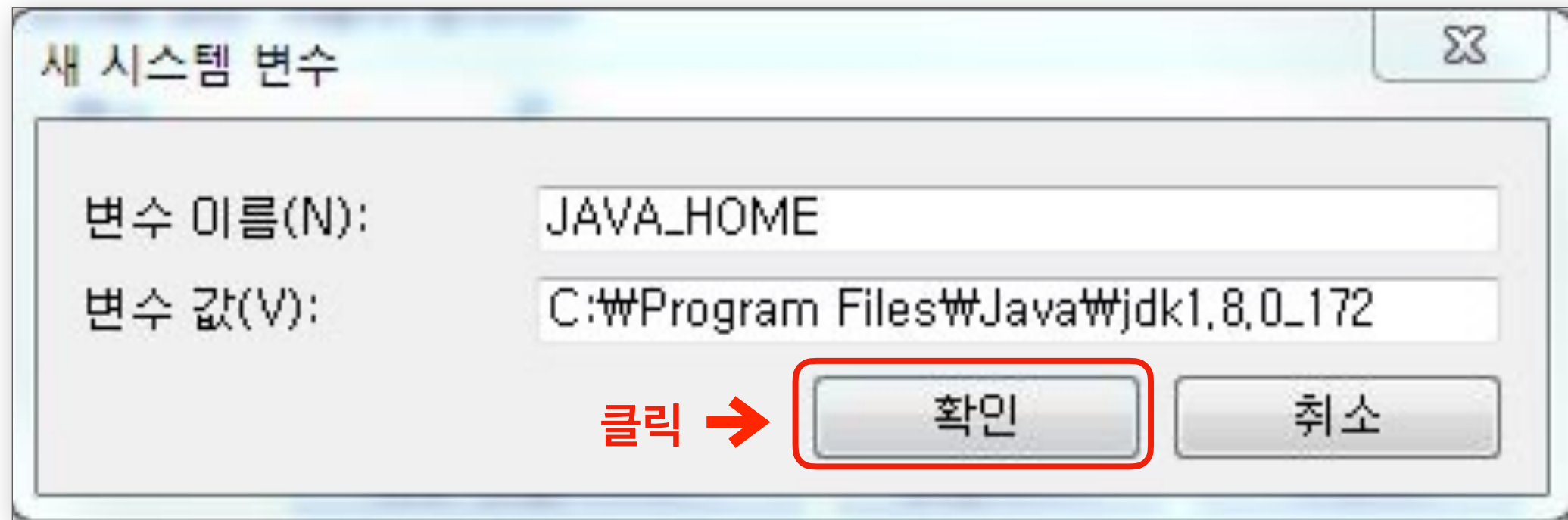
3. 고급 탭을 선택한 후 환경변수 버튼을 클릭한다.

환경 변수 설정



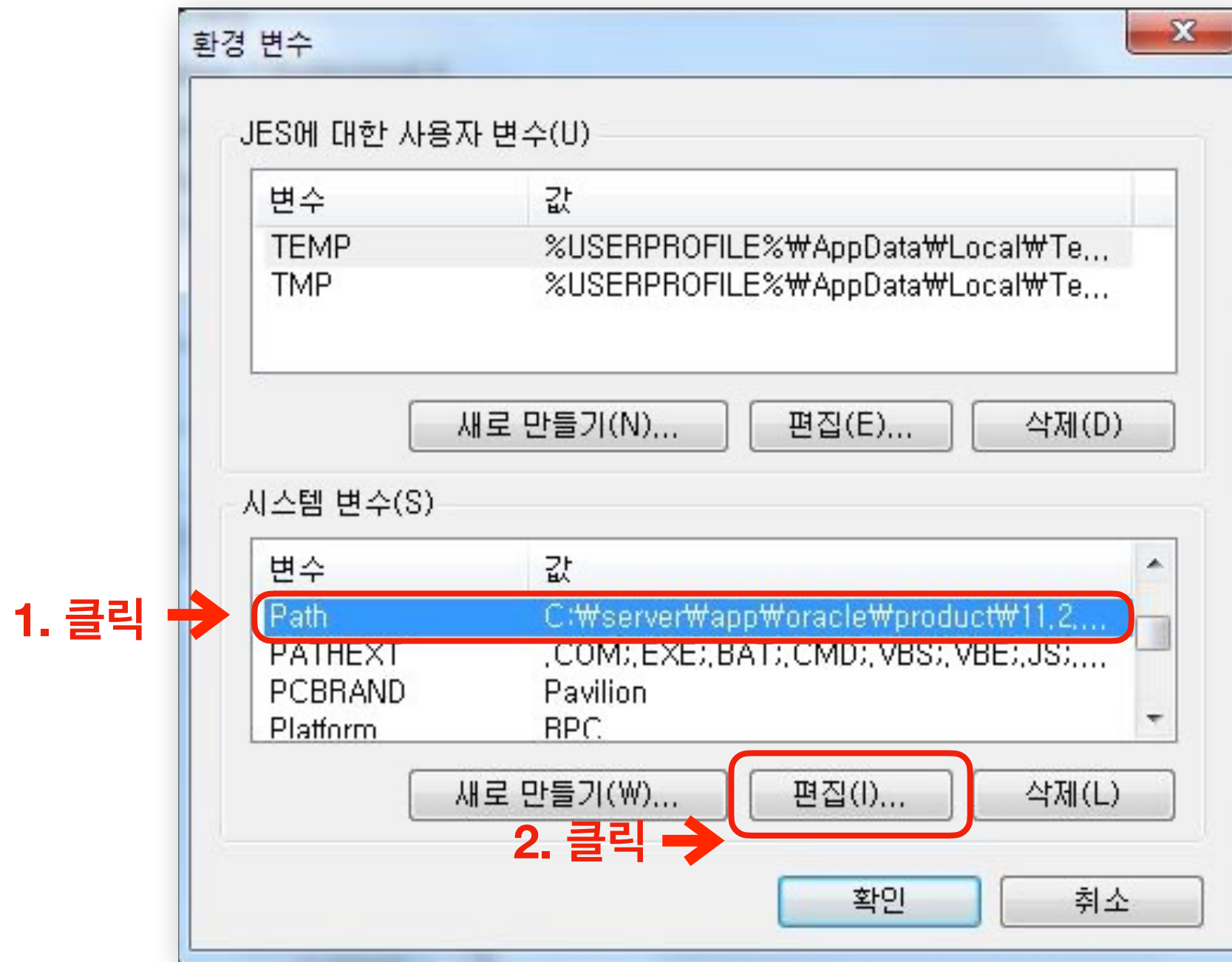
4. 환경변수 창에서 아래쪽 새로만들기를 클릭한다.

환경 변수 설정



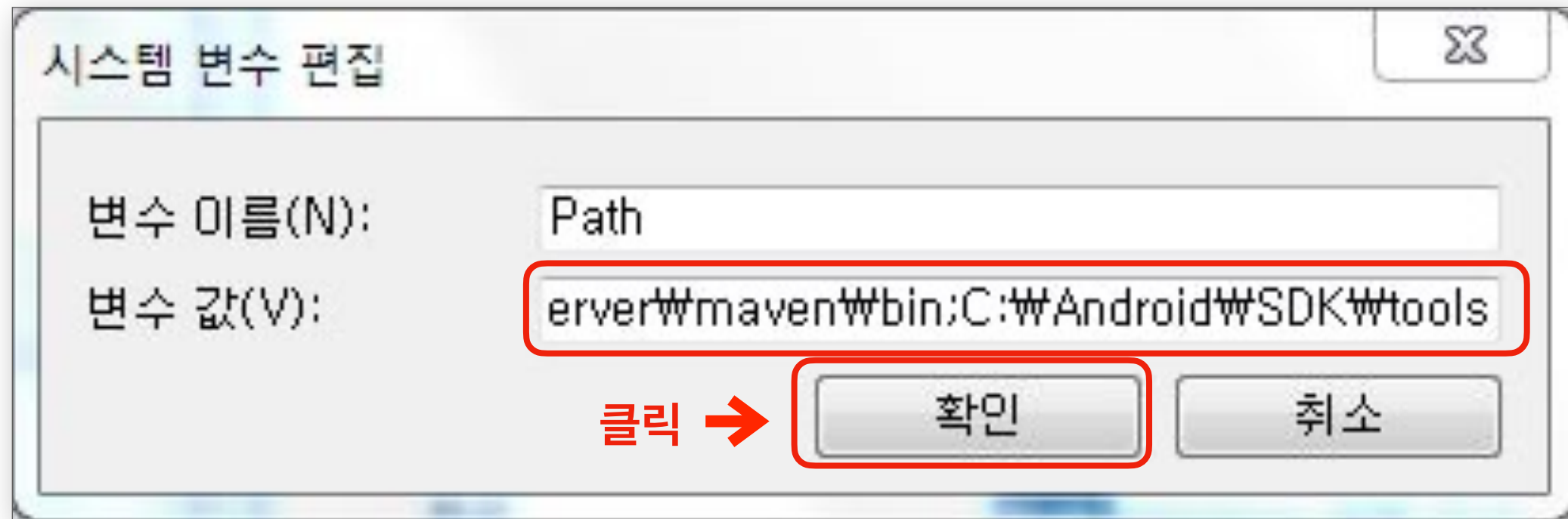
5. 변수이름은 **JAVA_HOME** 으로 적고
변수값은 jdk가 설치된 경로를 적어준다.
손수 적기 불편하므로 탐색기 창에서 설치된 경로를 찾은후
경로를 복사해두고 붙여넣기한다.

환경 변수 설정



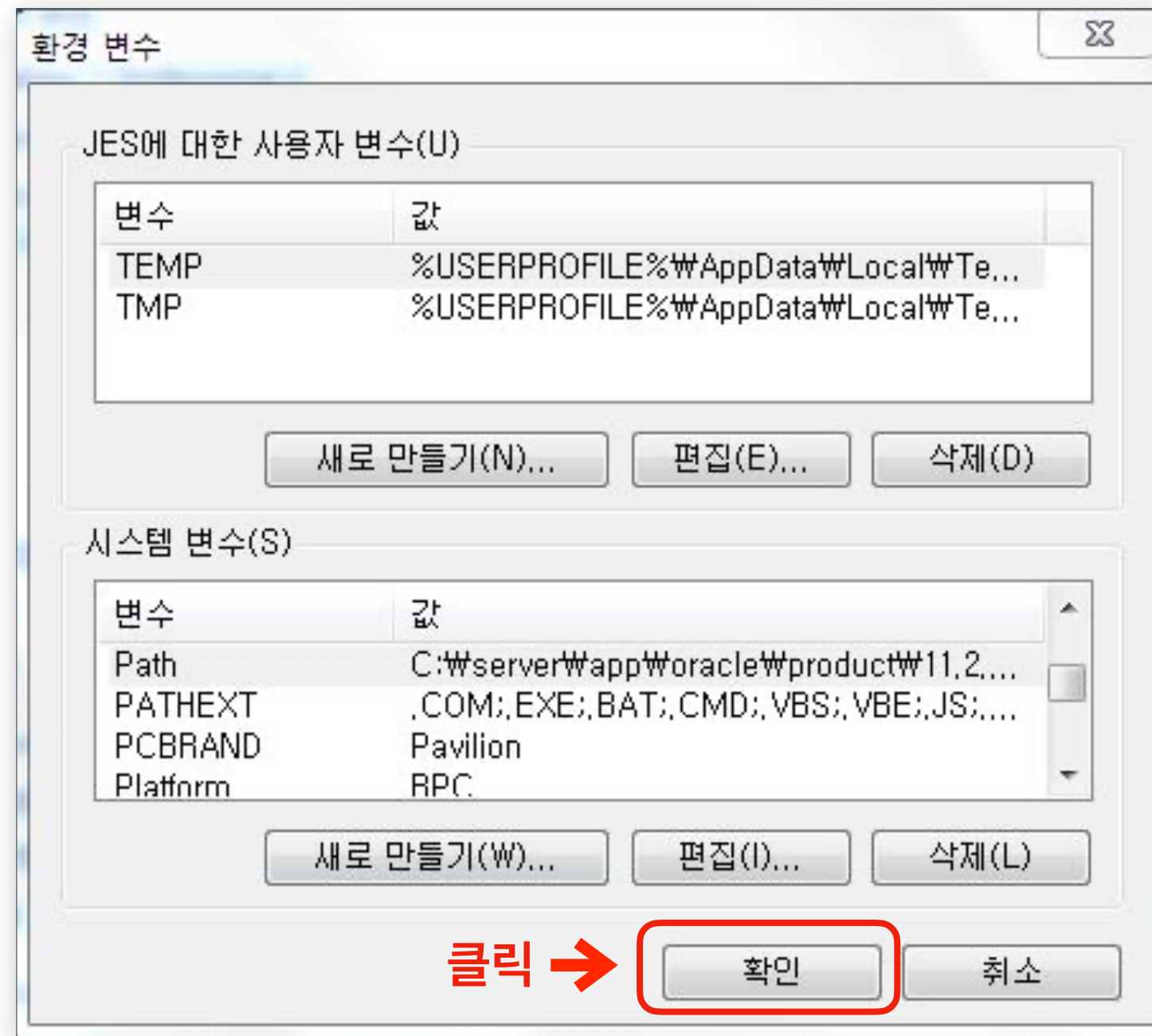
6. 환경변수 창에서 아래쪽 목록에서 Path를 찾아 선택하고 편집을 클릭한다.

환경 변수 설정



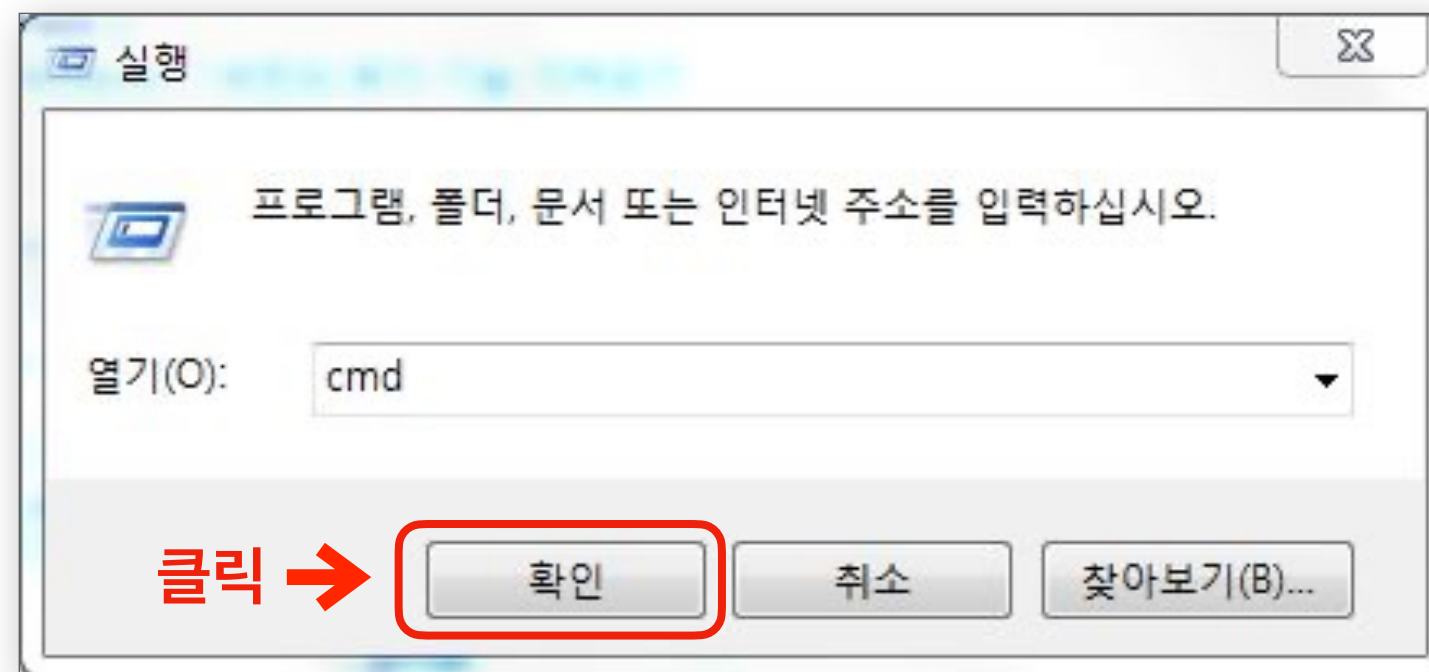
7. 시스템 변수 편집 창이 열리면 변수 값에 마지막에 다음과 같이 추가해준다.
;%JAVA_HOME%\bin;

환경 변수 설정



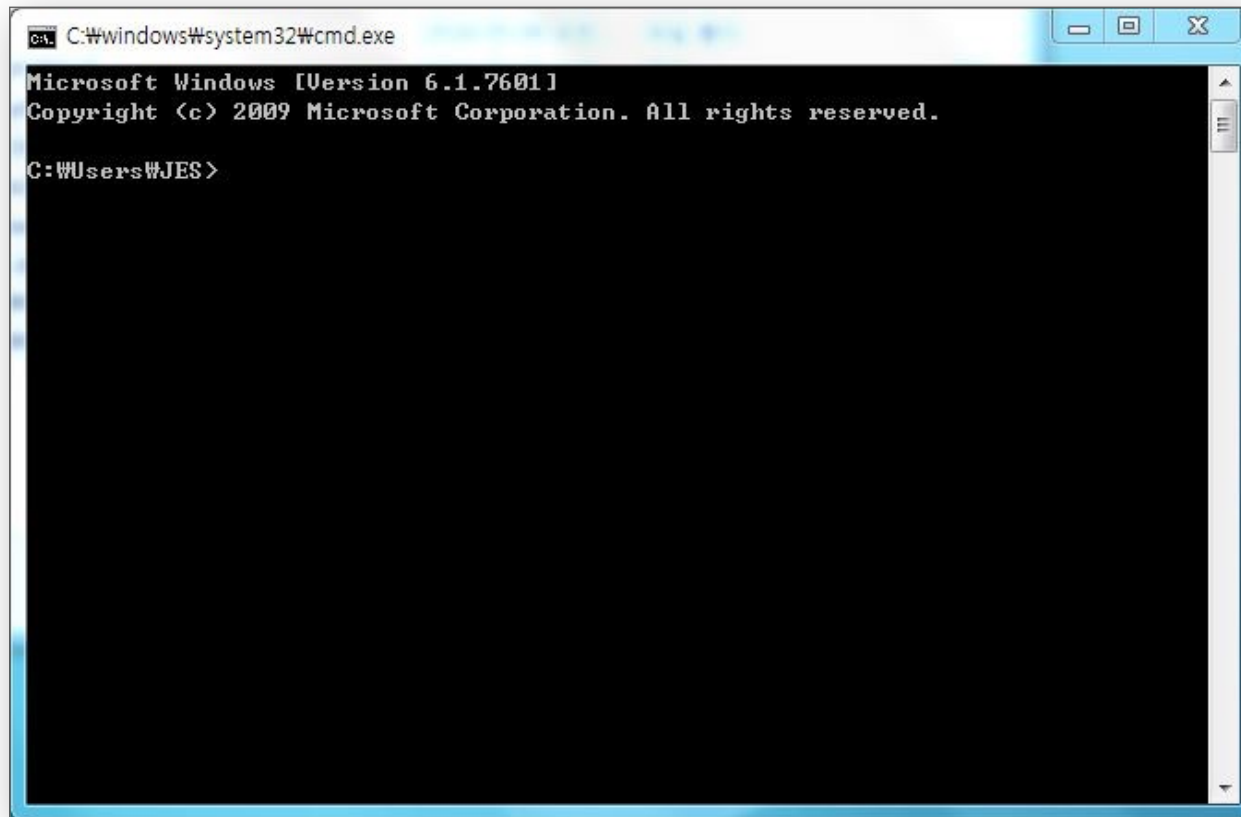
8. 환경변수 설정이 완료되면 확인 버튼을 클릭한다.

키보드의 윈도우 키와 r 키를 같이 눌러 실행창을 실행한다.



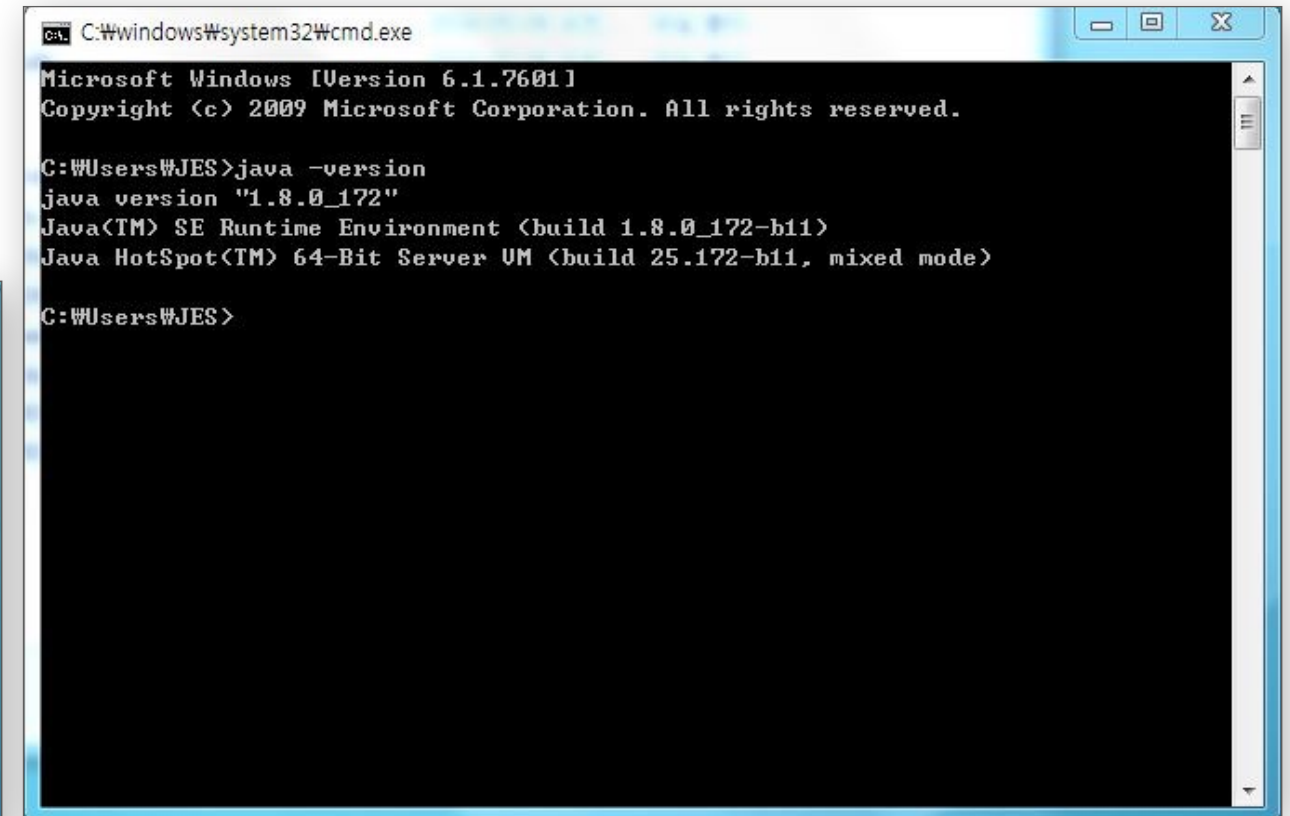
9. 실행창에 **cmd** 라 입력하고 확인 버튼을 누른다. (명령 프롬프트를 실행한다.)

10. 명령 프롬프트 창이 실행되면 두 가지를 확인한다.



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\WJES>
```

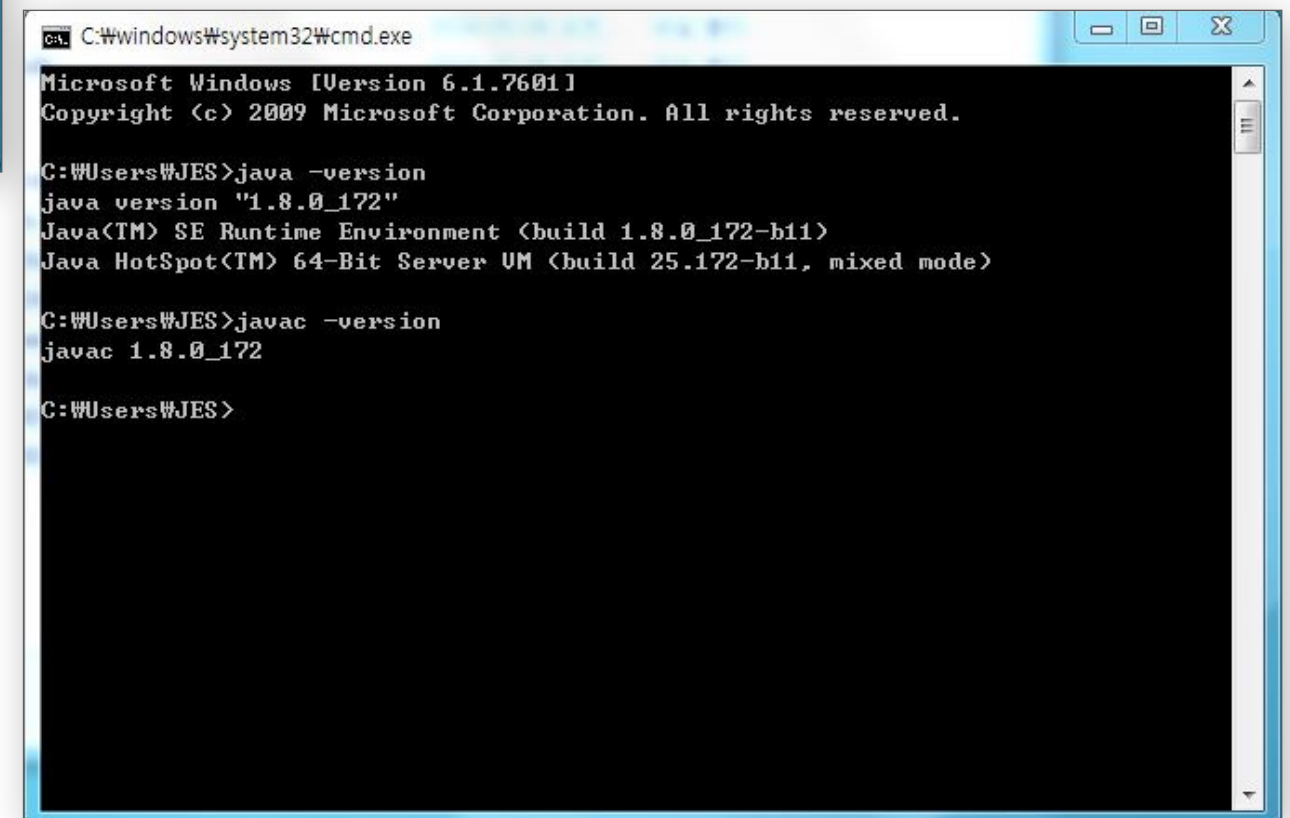


```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\WJES>java -version
java version "1.8.0_172"
Java(TM) SE Runtime Environment (build 1.8.0_172-b11)
Java HotSpot(TM) 64-Bit Server VM (build 25.172-b11, mixed mode)

C:\Users\WJES>
```

a. 가상 머신버전 확인 <- **java -version**



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\WJES>java -version
java version "1.8.0_172"
Java(TM) SE Runtime Environment (build 1.8.0_172-b11)
Java HotSpot(TM) 64-Bit Server VM (build 25.172-b11, mixed mode)

C:\Users\WJES>javac -version
javac 1.8.0_172

C:\Users\WJES>
```

b. 자바 컴파일러 버전. <- **javac -version**