

JDK 설치



강사 : 전 은 석

Java Download Index Page


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The screenshot shows the Oracle Java SE Downloads page. The browser address bar displays the URL: www.oracle.com/technetwork/java/javase/downloads/index-jsp-138363.html. The page features the Oracle logo and a navigation menu. The main content area is titled "Java SE Downloads" and includes two large download buttons: "Java Platform (JDK) 10" and "NetBeans with JDK 8". Below these, the "Java Platform, Standard Edition" section highlights "Java SE 10.0.1" as the latest feature release. A list of links provides installation instructions, release notes, Oracle license, Java SE licensing information user manual (including third-party licenses), certified system configurations, and a readme. To the right, download buttons are provided for "JDK", "Server JRE", and "JRE". A section titled "Which Java package do I need?" recommends the "Software Developers: JDK" for Java developers. The right sidebar contains links to "Java SDKs and Tools" (Java SE, Java EE and Glassfish, Java ME, Java Card, NetBeans IDE, Java Mission Control) and "Java Resources" (Java APIs, Technical Articles, Demos and Videos, Forums, Java Magazine, Developer Training, Tutorials, Java.com).


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Which Java package do I need?

- Software Developers: JDK** (Java SE Development Kit). For Java Developers. Includes a complete JRE plus tools for developing, debugging, and monitoring Java applications.

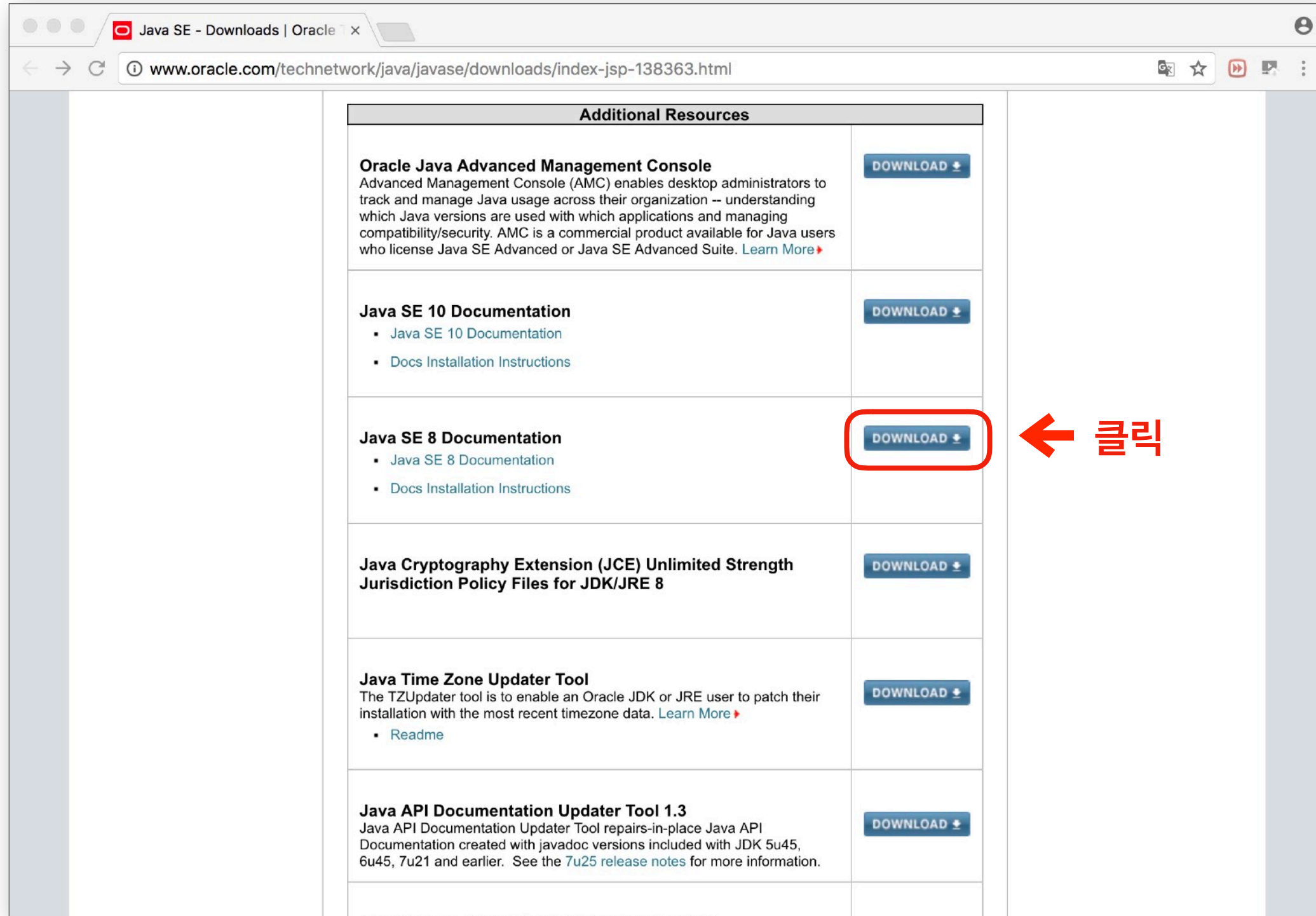
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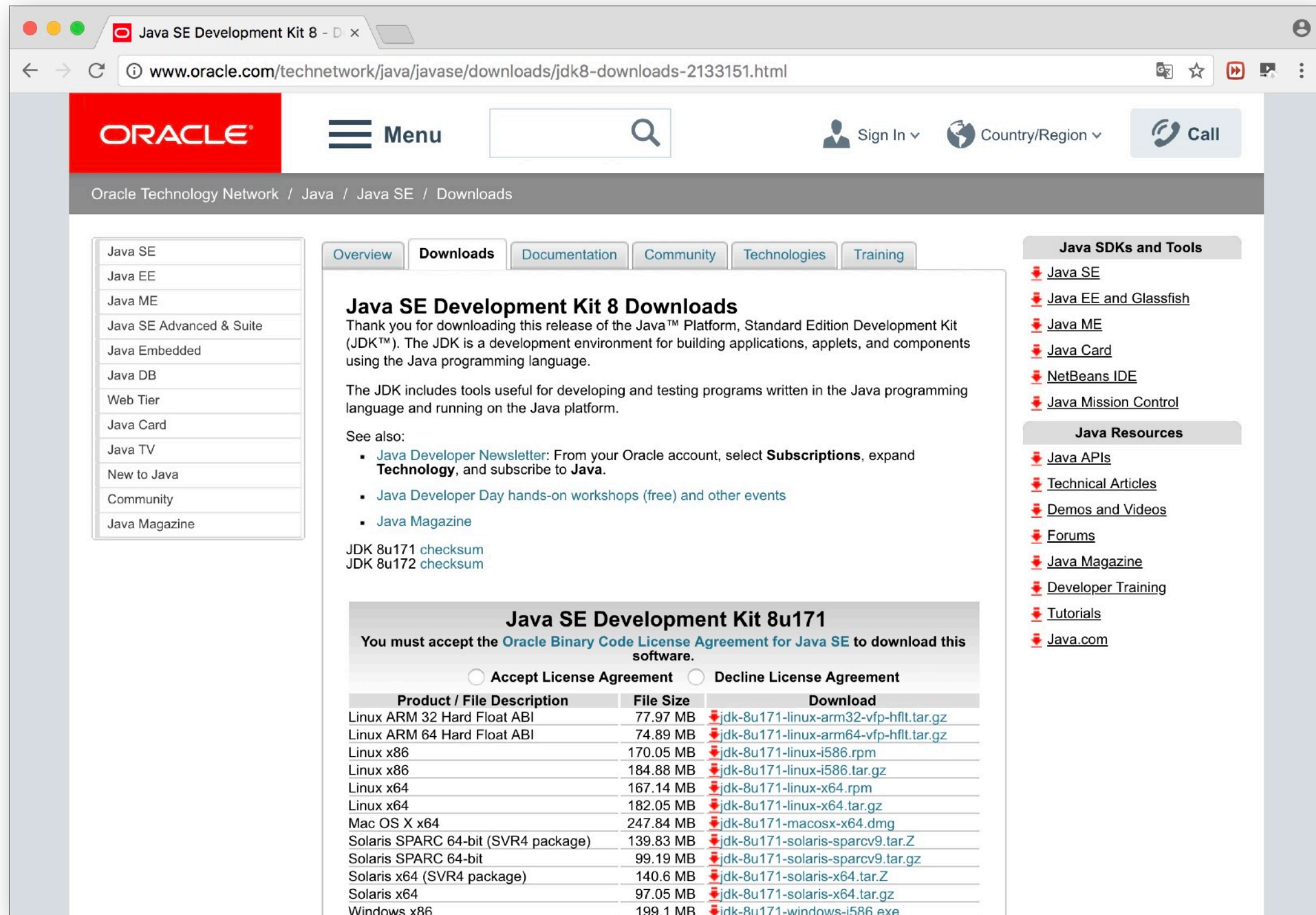
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<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

The screenshot shows the Oracle JDK 8 Download Page. The page header includes the Oracle logo, a menu, a search bar, and links for Sign In, Country/Region, and Call. The breadcrumb trail is Oracle Technology Network / Java / Java SE / Downloads. The left sidebar lists various Java products, with Java SE selected. The main content area has tabs for Overview, Downloads, Documentation, Community, Technologies, and Training. The Downloads tab is active, showing the 'Java SE Development Kit 8 Downloads' section. This section includes a thank you message, a description of the JDK, and a list of links for downloading the JDK 8u171 and 8u172. Below this is a section for the 'Java SE Development Kit 8u171' with a license agreement and a table of download links for various operating systems and architectures.

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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:

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최신 버전 항목으로 이동(스크롤)해서 라이선스 동의 체크박스에 체크하고 필요한 OS에 따라 Java SE Development Kit 8u172(2018년 5월 기준)를 다운받는다.

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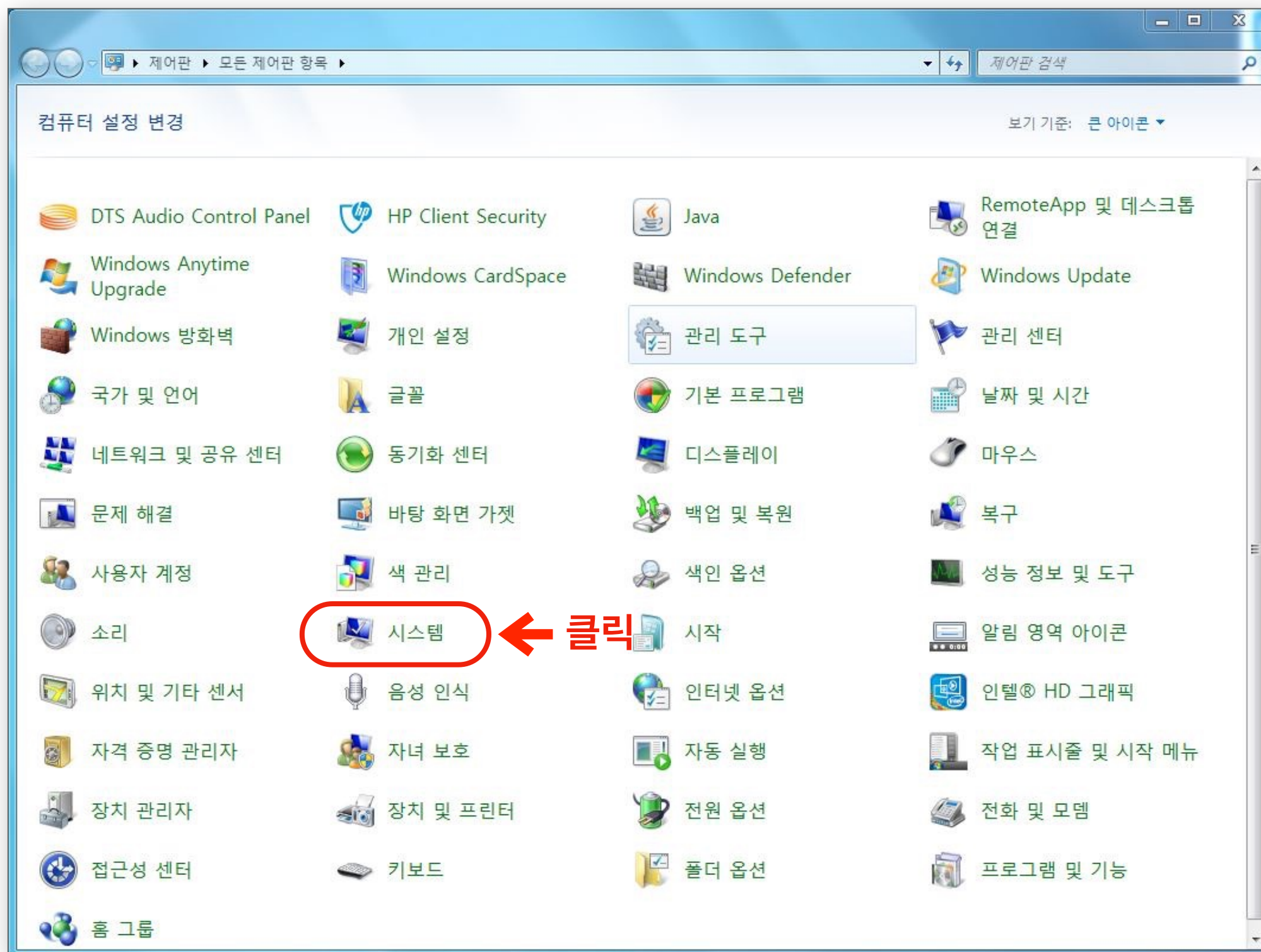
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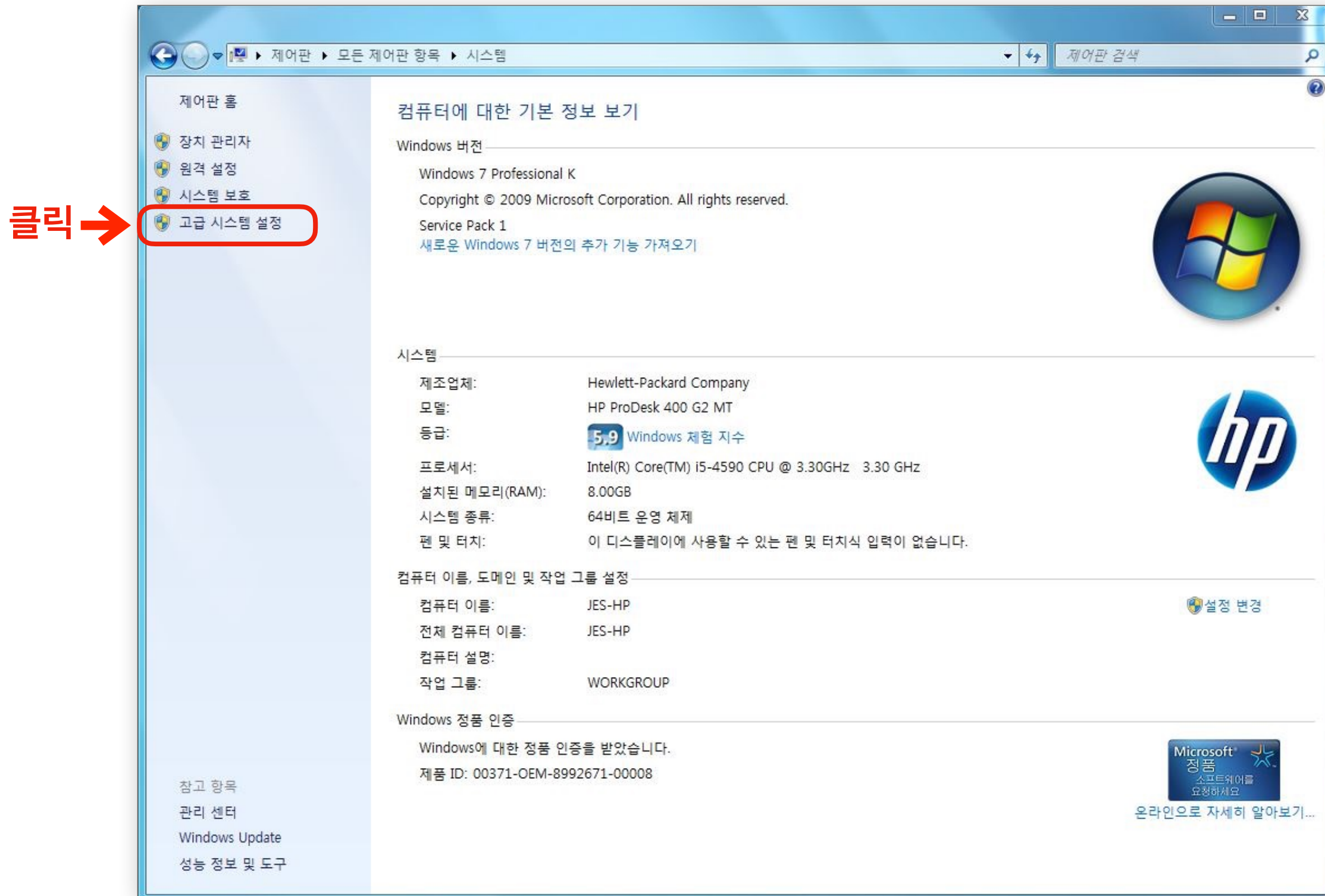
다운 받은 후 설치한다.
설치 경로는 확인해두자.
C:\Program Files\Java
에 설치된다.

환경 변수 설정



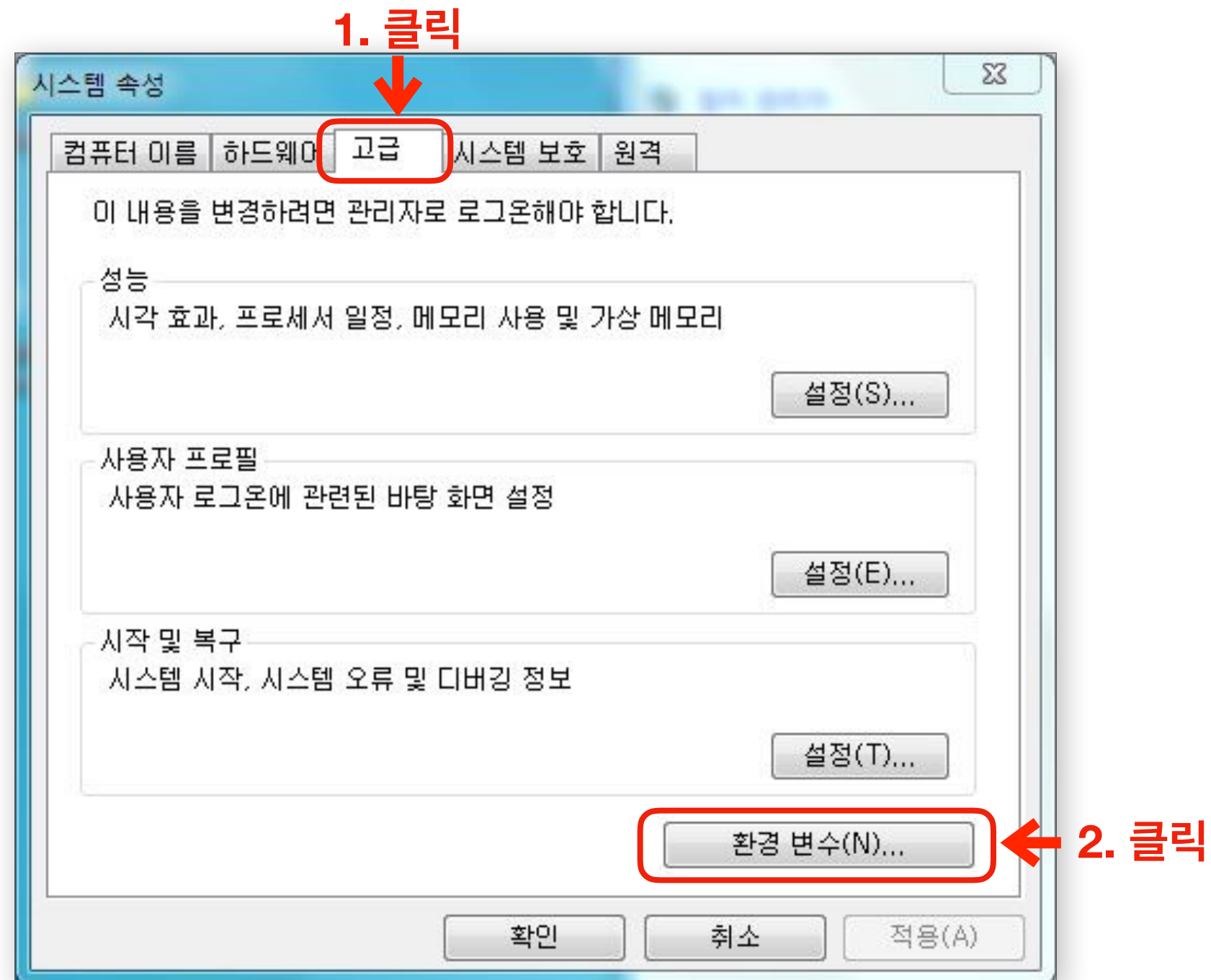
1. 제어판을 열어서 시스템을 클릭한다.

환경 변수 설정



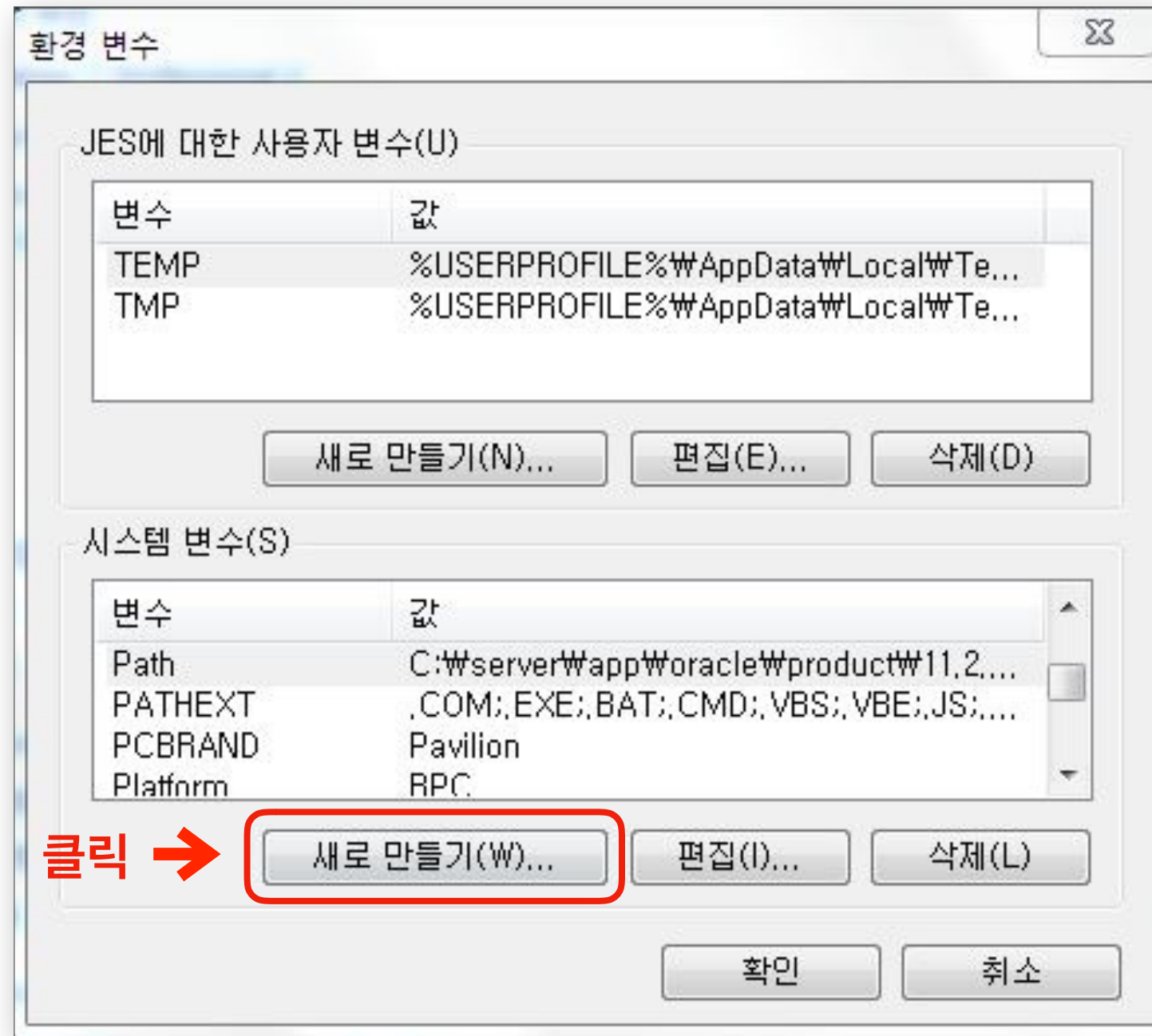
2. 고급 시스템 설정 클릭

환경 변수 설정



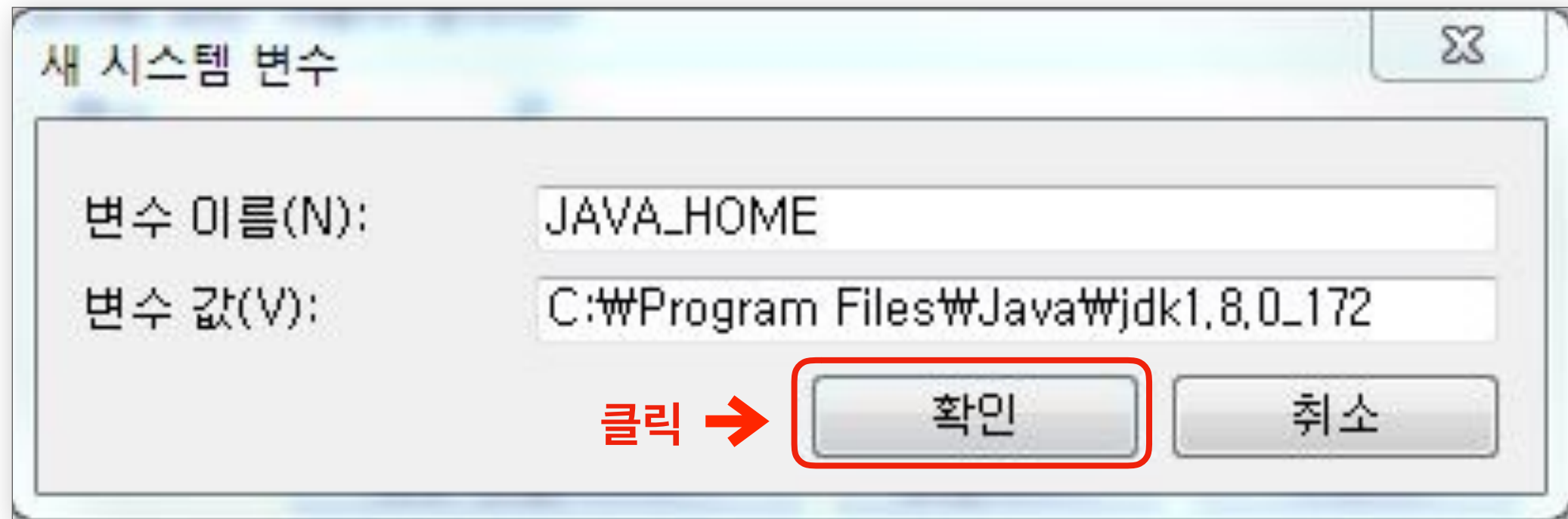
3. 고급 탭을 선택한 후 환경변수 버튼을 클릭한다.

환경 변수 설정



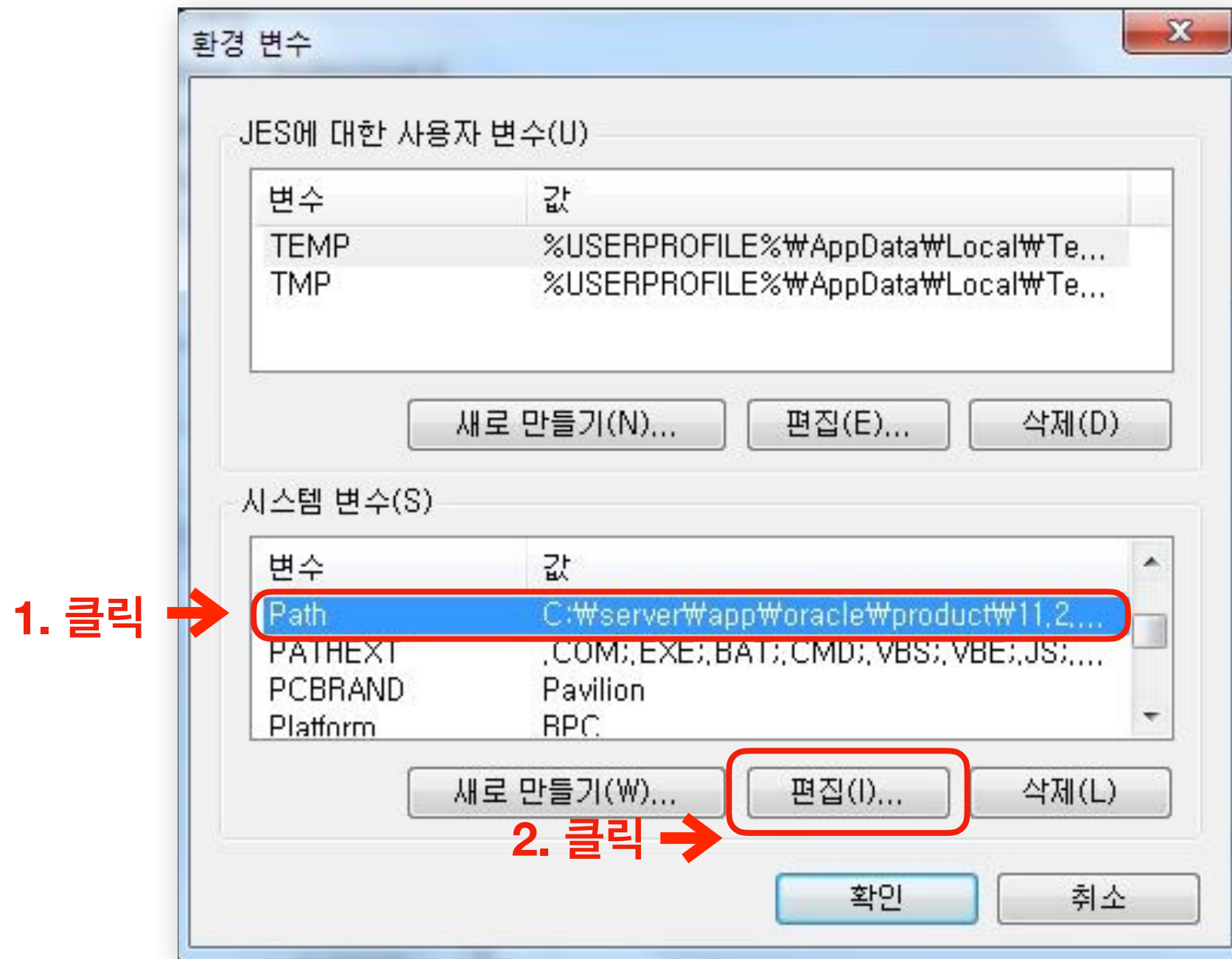
4. 환경변수 창에서 아래쪽 새로만들기를 클릭한다.

환경 변수 설정



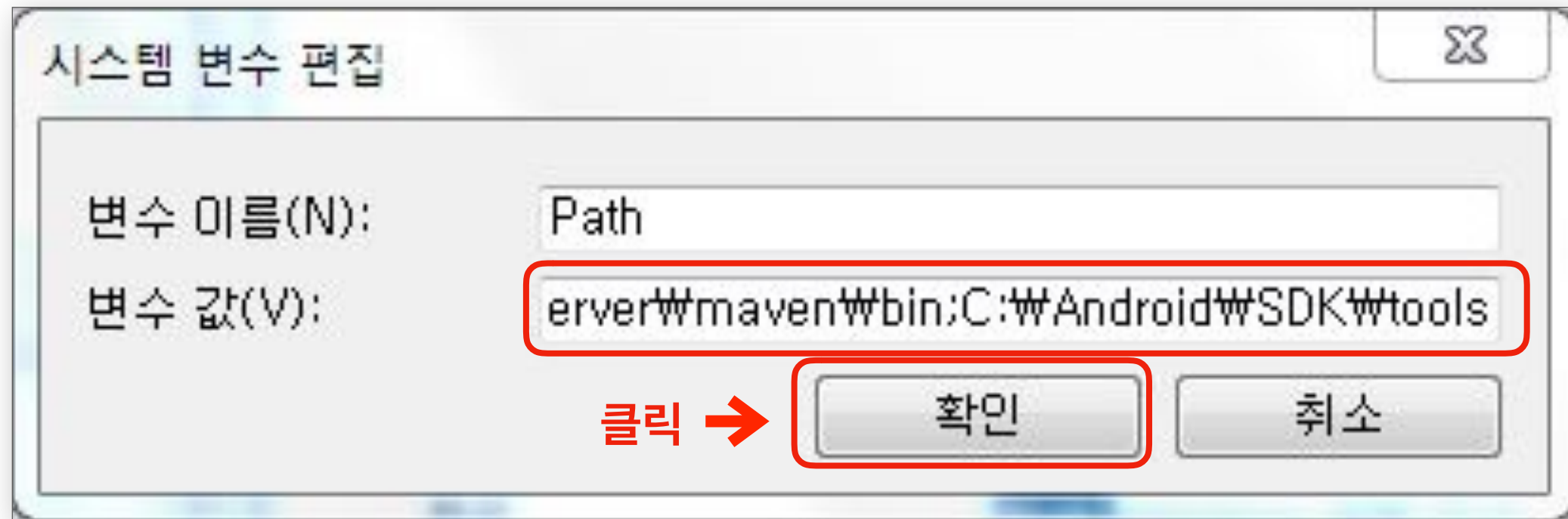
5. 변수이름은 **JAVA_HOME** 으로 적고
변수값은 jdk가 설치된 경로를 적어준다.
손수 적기 불편하므로 탐색기 창에서 설치된 경로를 찾은후
경로를 복사해두고 붙여넣기한다.

환경 변수 설정



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

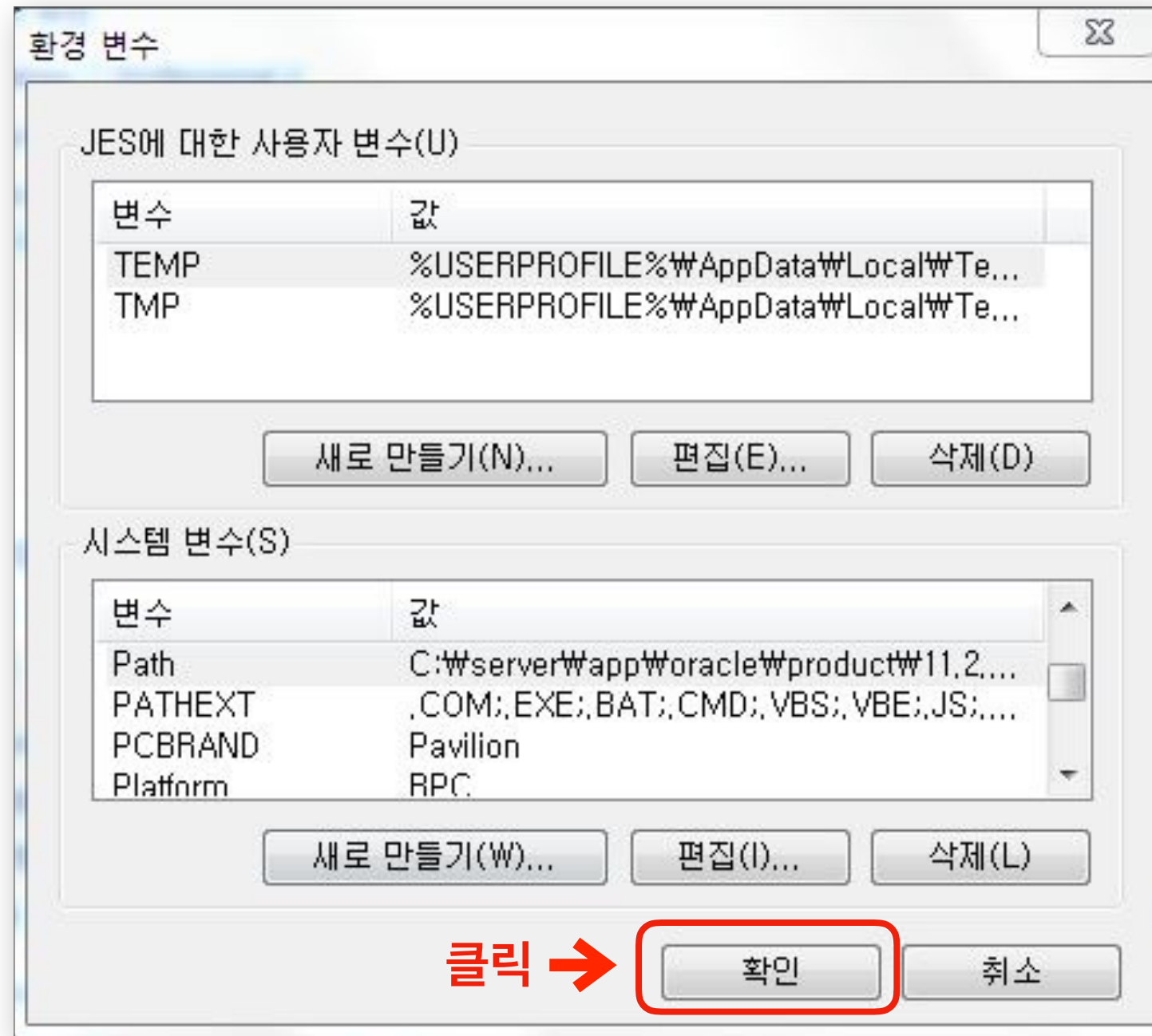
환경 변수 설정



7. 시스템 변수 편집 창이 열리면 변수 값에 마지막에 다음과 같이 추가해준다.

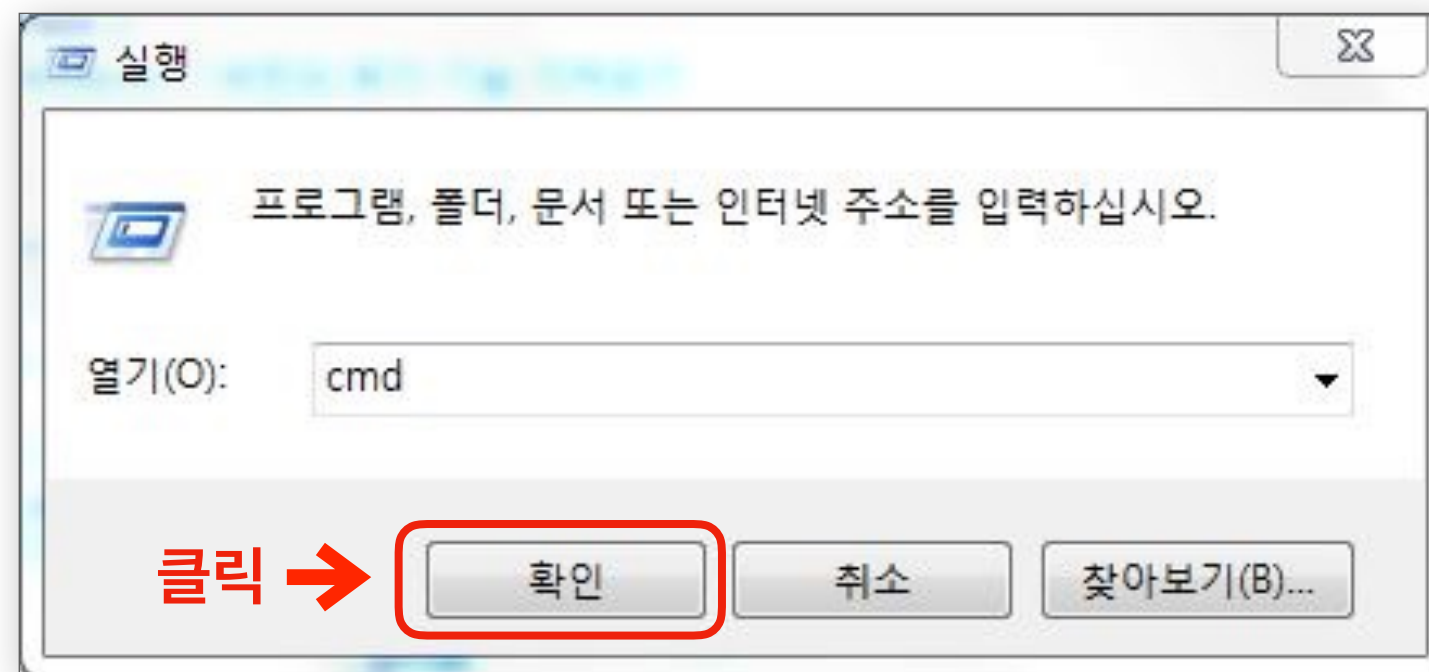
;%JAVA_HOME%\bin;

환경 변수 설정



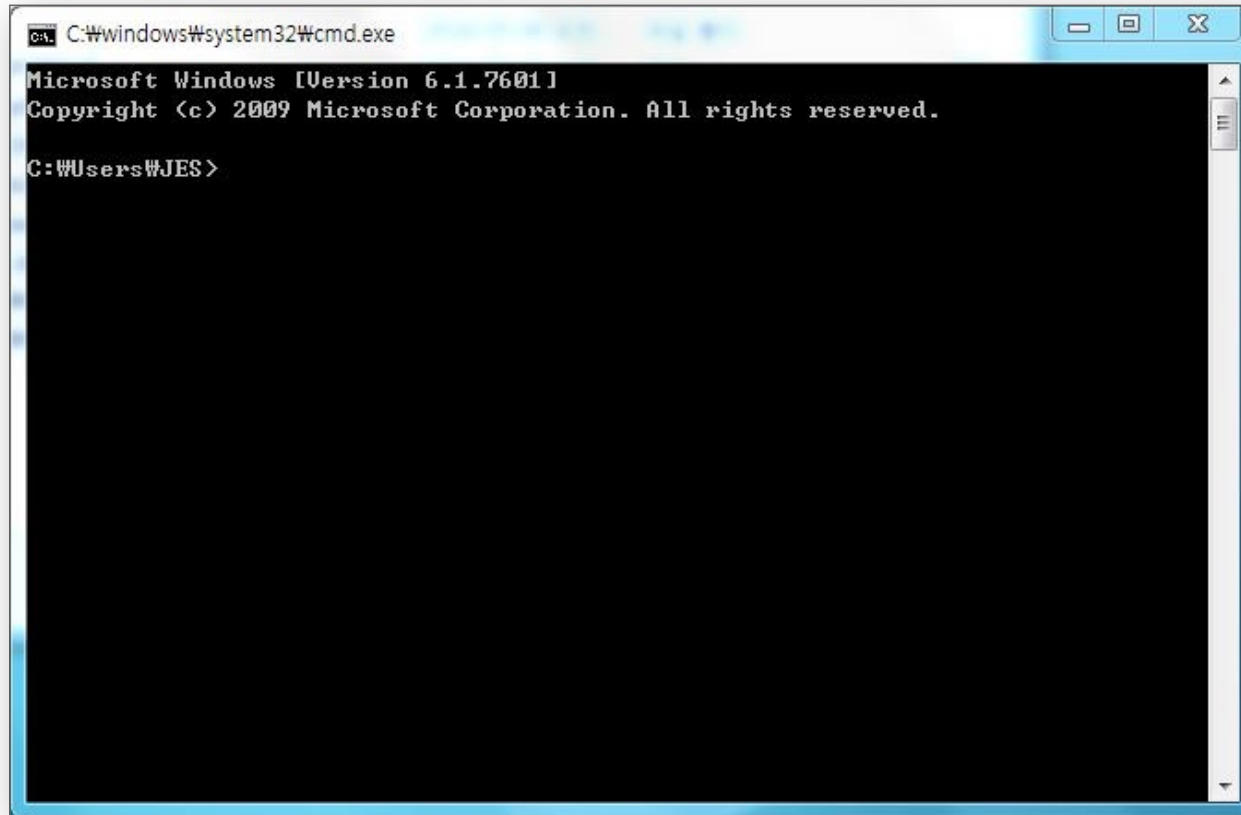
8. 환경변수 설정이 완료되면 확인 버튼을 클릭한다.

키보드의 윈도우 키와 r 키를 같이 눌러 실행창을 실행한다.



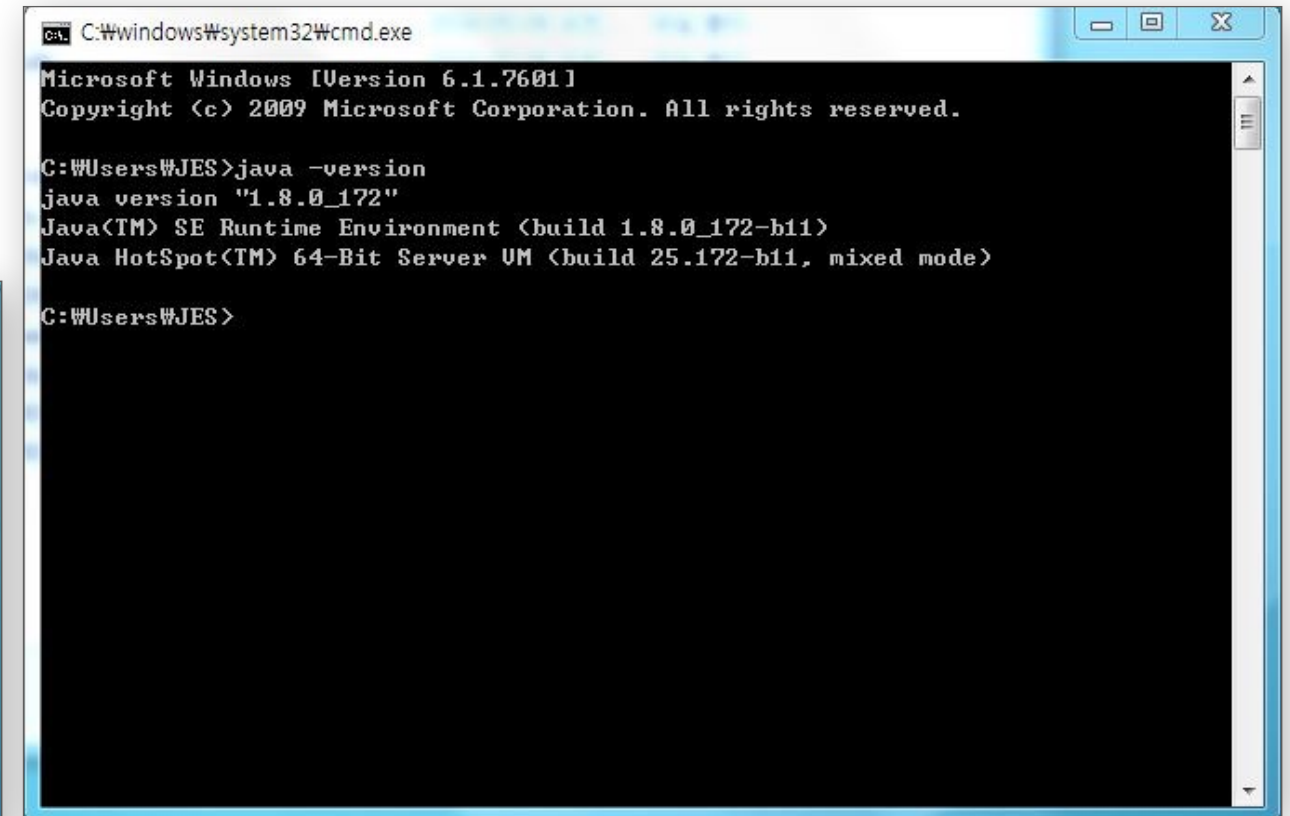
9. 실행창에 **cmd** 라 입력하고 확인 버튼을 누른다. (명령 프롬프트를 실행한다.)

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>
```

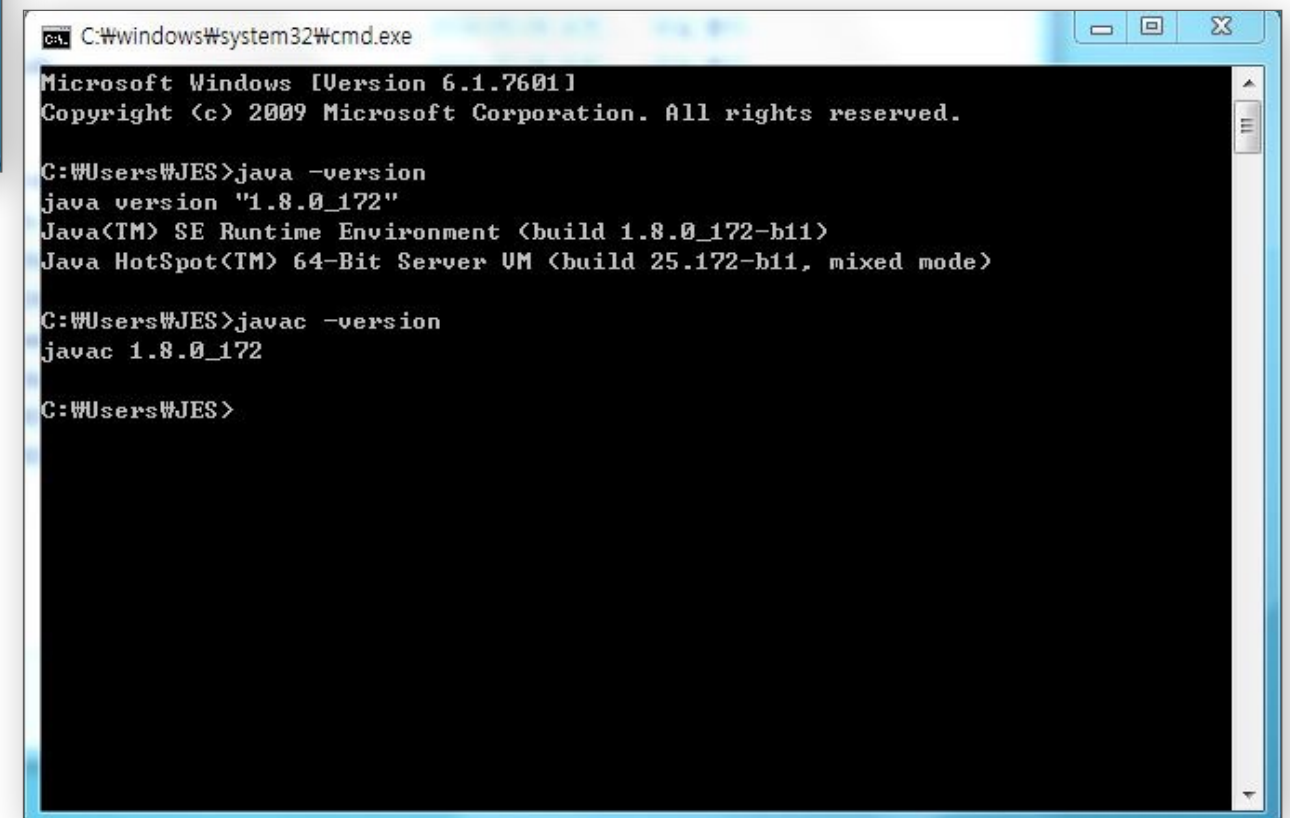


```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

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**