

제 1 장

JDK설치 및 설정

1. JDK 다운로드

<http://www.oracle.com/technetwork/java/index.html> 을 방문한다.

The screenshot shows the Oracle Technology Network website. At the top is the Oracle logo and navigation links. Below is a horizontal menu with 'Products and Services', 'Solutions', 'Downloads', 'Store', 'Support', 'Training', 'Partners', and 'About'. A search bar is on the right. Below the menu, the breadcrumb 'Oracle Technology Network > Java' is visible. The main content area features a large image of a man working on a laptop. To the right of the image is a yellow box with the text '클릭하세요.' (Click here.) and a red arrow pointing to the 'Java SE' link in the 'Top Downloads' list. The 'Software Downloads' section has a red header and a 'View All Downloads' link. It contains two columns of links: 'Top Downloads' and 'New Downloads'. The 'Top Downloads' list includes 'Java SE', 'Java EE and GlassFish', 'JavaFX', 'Java ME', 'JDeveloper 11g and ADF', 'Enterprise Pack for Eclipse', 'NetBeans IDE', 'Pre-Built VM for Java Developers', and a Java download icon. The 'New Downloads' list includes 'Java Embedded Client 1.1', 'Java SE 7 Update 5', 'Java SE 6 Update 33', 'JavaFX 2.1.1', 'NetBeans IDE 7.2 Beta', and 'GlassFish 3.1.2'.

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Java[™]

ARTICLE

The Enterprise Side of JavaFX



Java Champion Adam Bien shows you the "enterprisey" side of JavaFX, focusing on structuring the presentation logic and integration with back-end services.

Posted 6/11/12 // Tags: java, javafx, REST // Headlines Archive

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- Java Embedded Client 1.1
Released 6/26/12
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- JavaFX 2.1.1
Released 6/12/12
- NetBeans IDE 7.2 Beta
Released 5/23/12
- GlassFish 3.1.2
Released 2/29/12

1. JDK 다운로드

- JDK 1.6 버전을 다운로드한다.(현재 최신 버전은 JDK1.7)

The screenshot shows the Oracle Java SE Downloads page. The Oracle logo is at the top left. Navigation links include Products and Services, Solutions, Downloads, Store, Support, Training, Partners, and About. A search bar is on the top right. The breadcrumb trail is Oracle Technology Network > Java > Java SE > Downloads. The main content area has tabs for Overview, Downloads, Documentation, Community, Technologies, and Training. The Downloads tab is active, showing 'Java SE Downloads'. There are three tabs: Latest Release, Next Release (Early Access), and Previous Releases. A red arrow points from the 'Previous Releases' tab to the 'JDK 7u5 + NetBeans' download button. A yellow box with the text '클릭하세요.' (Click here) is placed over the arrow. Below the tabs are four download buttons: Java Platform (JDK) 7u5, JavaFX 2.1.1, JDK 7u5 + NetBeans, and JDK 7u3 + Java EE. The right sidebar contains links for Java SDKs and Tools (Java SE, Java EE and Glassfish, Java ME, JavaFX, Java Card, NetBeans IDE) and Java Resources (New to Java?, APIs, Code Samples & Apps, Developer Training, Documentation, Java.com).

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클릭하세요.

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1. JDK 다운로드

- JDK 1.6 버전을 다운로드한다.(현재 최신 버전은 JDK1.7)

Oracle Java Archive

The Oracle Java Archive offers self-service download access to some of our historical Java releases.

WARNING: These older versions of the JRE and JDK are provided to help developers debug issues in older systems. They are not updated with the latest security patches and are not recommended for use in production.

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Java SE

[Java SE 7](#)

[Java SE 6](#)

[Java SE 5](#)

클릭하세요.



1. JDK 다운로드

- JDK 1.6 버전을 다운로드한다.(현재 최신 버전은 JDK1.7)

Java SE 6 Downloads

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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.

WARNING: These older versions of the JRE and JDK are provided to help developers debug issues in older systems. They are not updated with the latest security patches and are not recommended for use in production.

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For more information on the transition of products from the legacy Sun download system to the Oracle Technology Network, visit the [SDLC Decommission page](#) announcement.

클릭하세요.



▪ [Java SE Development Kit 6u32](#)

▪ [Java SE Development Kit 6u31](#)

1. JDK 다운로드

- 해당 OS에 맞는 버전을 선택한다. 아래는 Windows(32bit) JDK를 선택한 경우

Java SE Development Kit 6u32

You must accept the [Oracle Binary Code License Agreement for Java SE](#) to download this software.

1. 클릭하세요.

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Product / File Description	File Size	Download
Linux x86	65.42 MB	jdk-6u32-linux-i586-rpm.bin
Linux x86	68.42 MB	jdk-6u32-linux-i586.bin
Linux x64	65.65 MB	jdk-6u32-linux-x64-rpm.bin
Linux x64	68.7 MB	jdk-6u32-linux-x64.bin
Solaris x86	68.33 MB	jdk-6u32-solaris-i586.sh
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Solaris x64	12.16 MB	jdk-6u32-solaris-x64.tar.Z
Windows x86	59.66 MB	jdk-6u32-windows-i586.exe
Windows x64	59.66 MB	jdk-6u32-windows-x64.exe

2. 클릭하세요.

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1. JDK 다운로드

- 로그인을 해야 다음 단계를 진행할 수 있다. 아이디가 없다면 가입후 로그인한다.

로그인

사용자 이름

[사용자 이름을 잊으셨습니까?](#)

비밀번호

[비밀번호를 분실한 경우](#)

로그인

오라클 계정이 없으십니까?

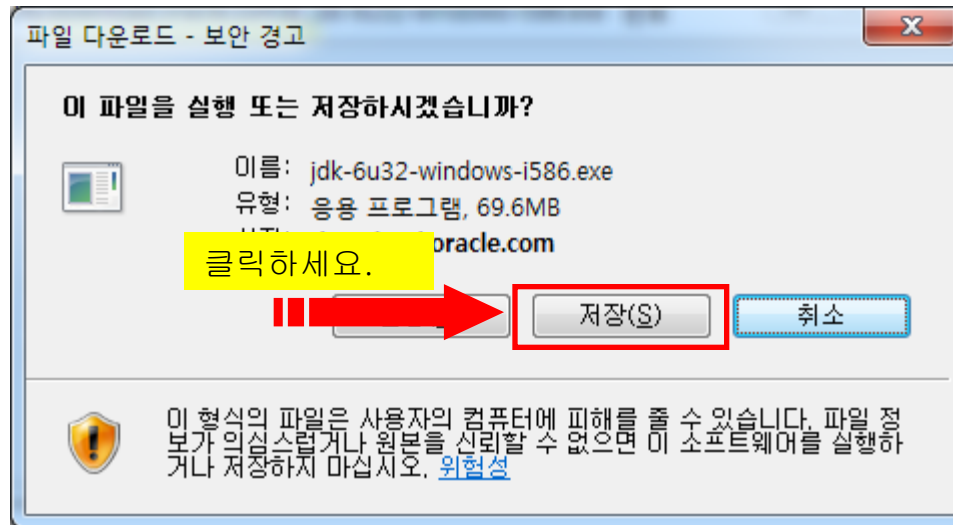
[가입](#)하여 무료 오라클 웹 계정을 만드십시오.

[도움이 필요하십니까?](#)

Powered by Oracle Access Manager 11g

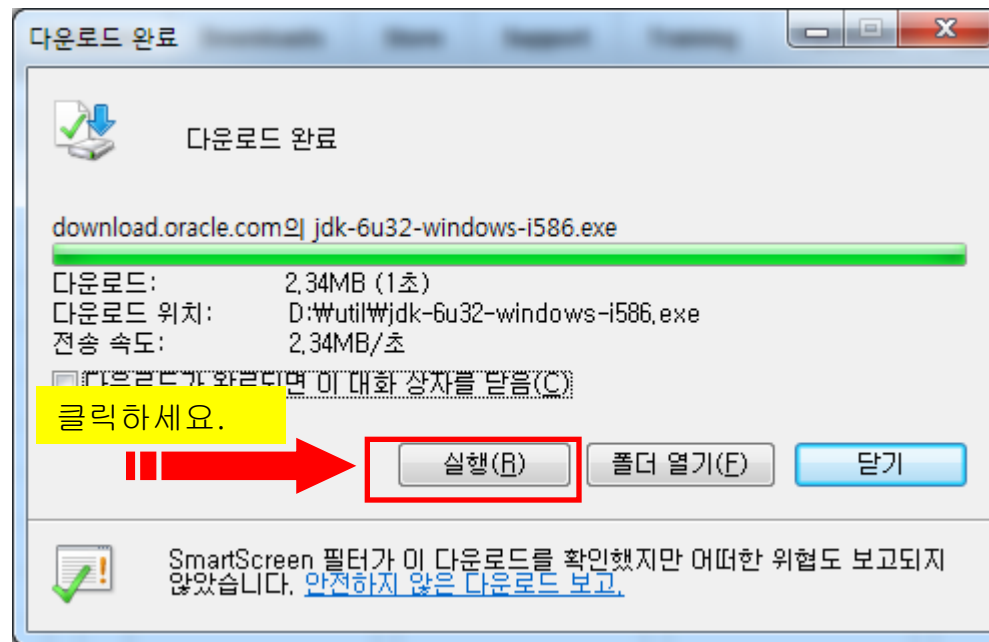
1. JDK 다운로드

- 로그인에 성공하면 아래와 같은 창이 나타납니다. ‘저장’을 누르고 다운로드한 파일을 저장할 위치를 지정하고 ‘확인’을 누릅니다.

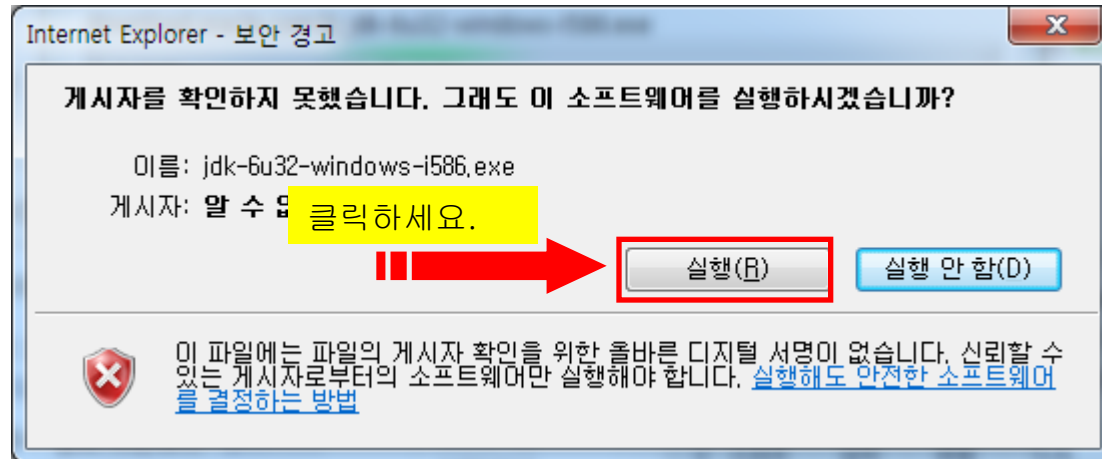


1. JDK 다운로드

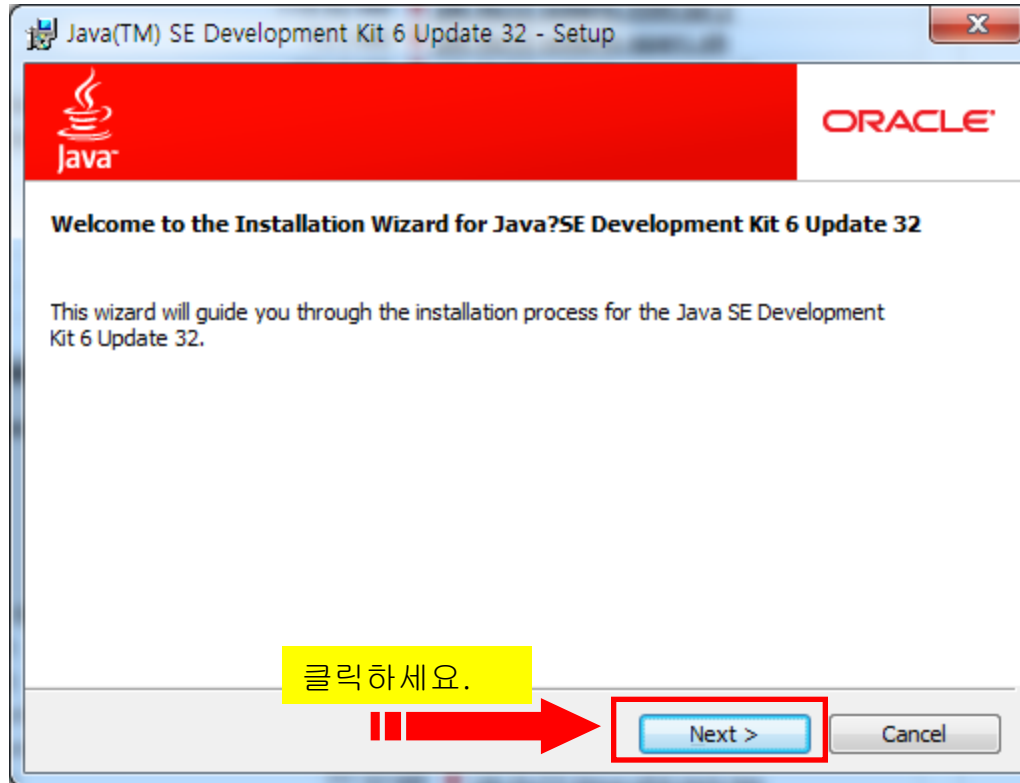
- 다운로드를 마치면 다음과 같은 창이 나타납니다.



2. JDK 설치

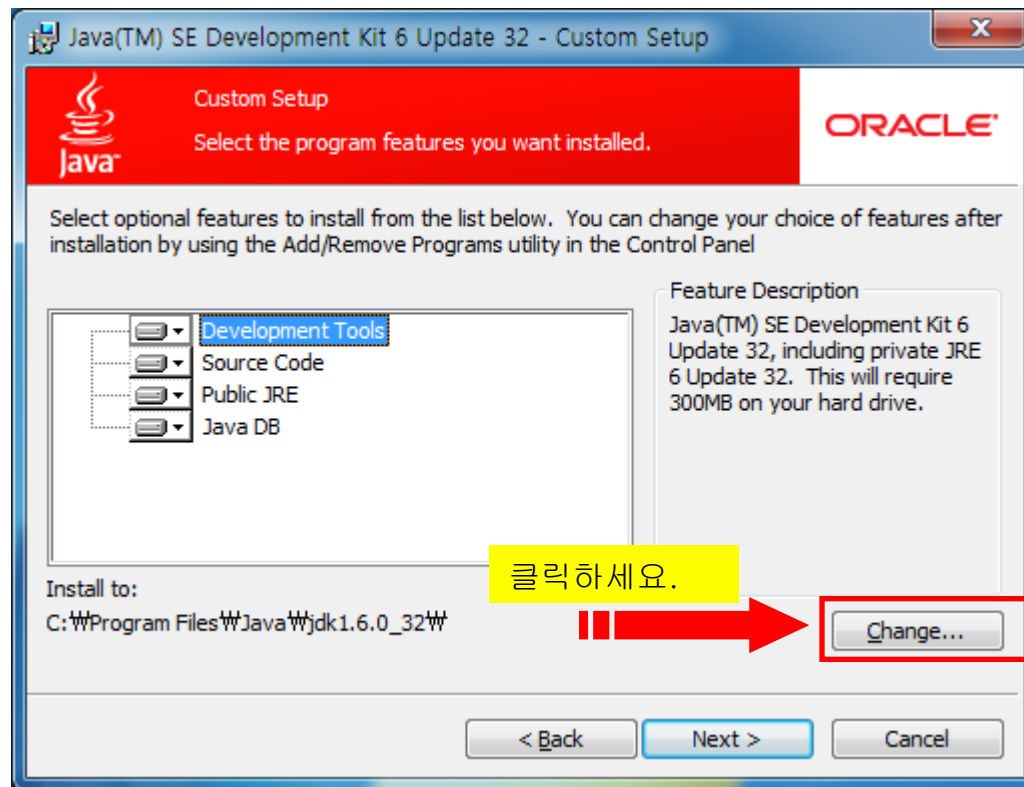


2. JDK 설치



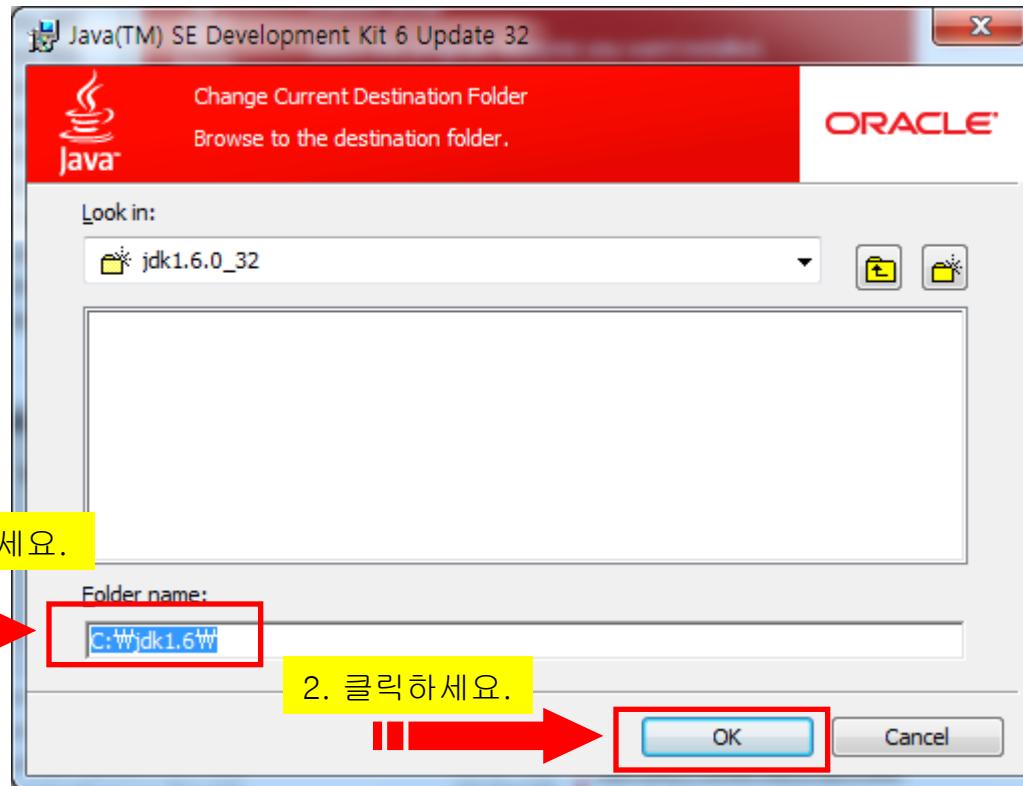
2. JDK 설치

- 'Change...'을 눌러서 설치될 위치를 자신이 원하는 곳으로 변경한다.



2. JDK 설치

- 설치할 위치를 원하는 곳으로 입력하고 'OK'버튼을 클릭하세요.

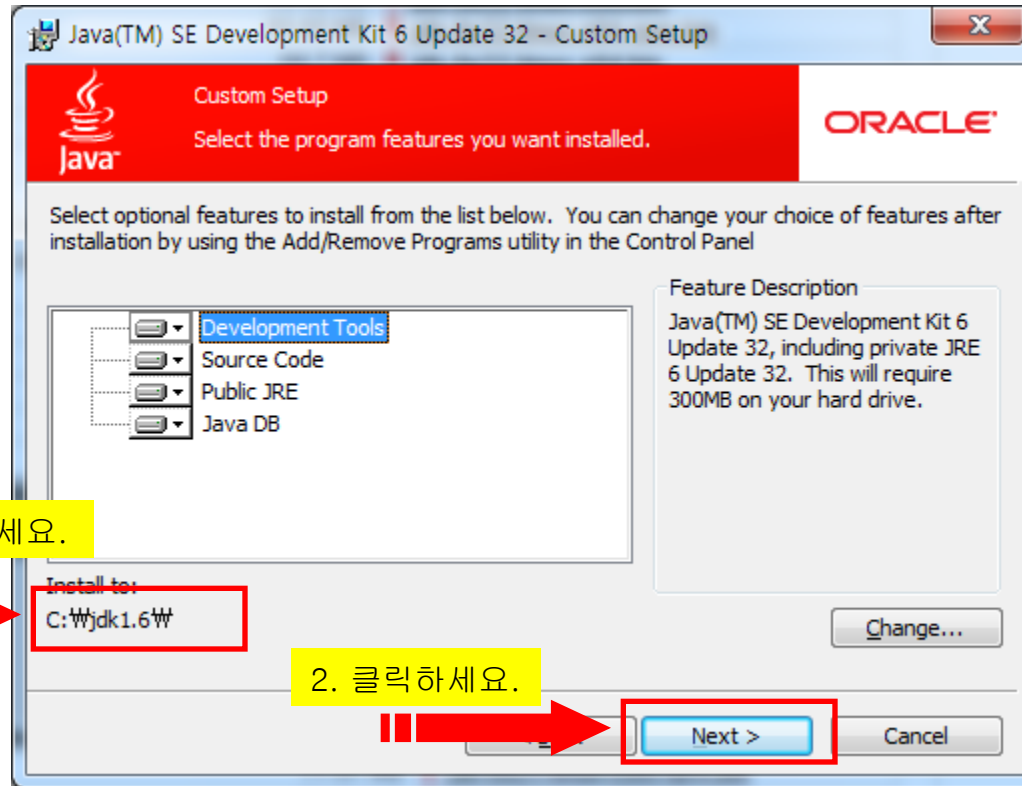


1. 설치할 위치를 입력하세요.

2. 클릭하세요.

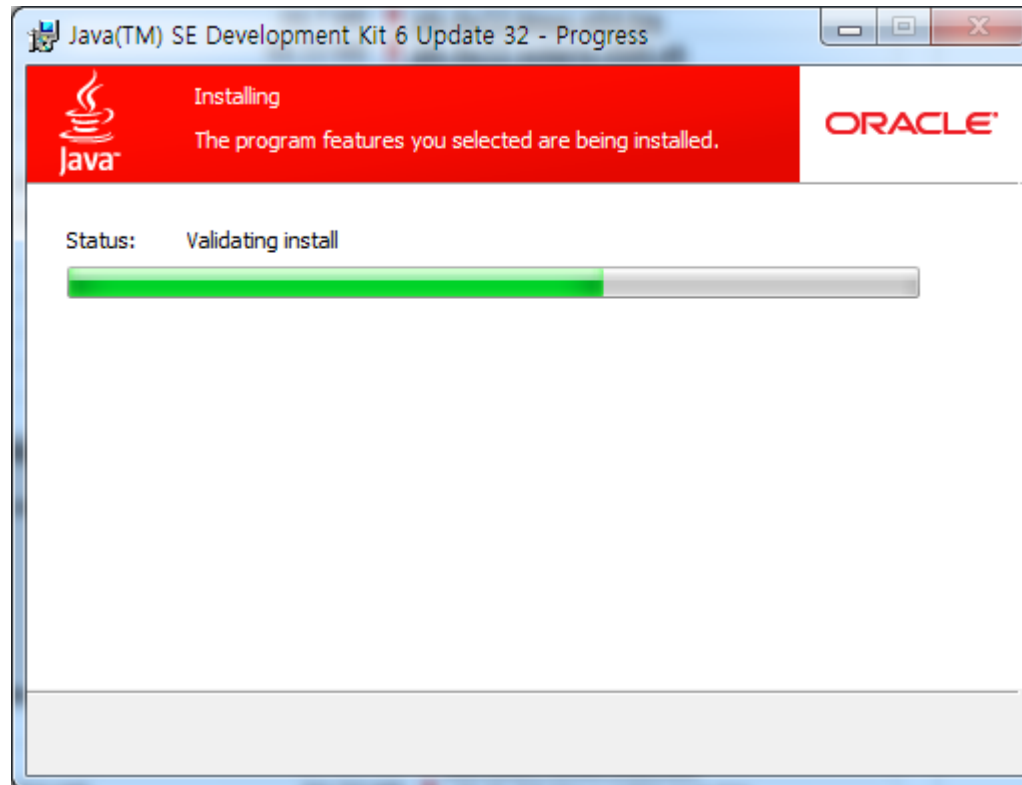
2. JDK 설치

- 설치할 위치가 변경된 것을 확인하고 'Next >' 를 클릭하세요.



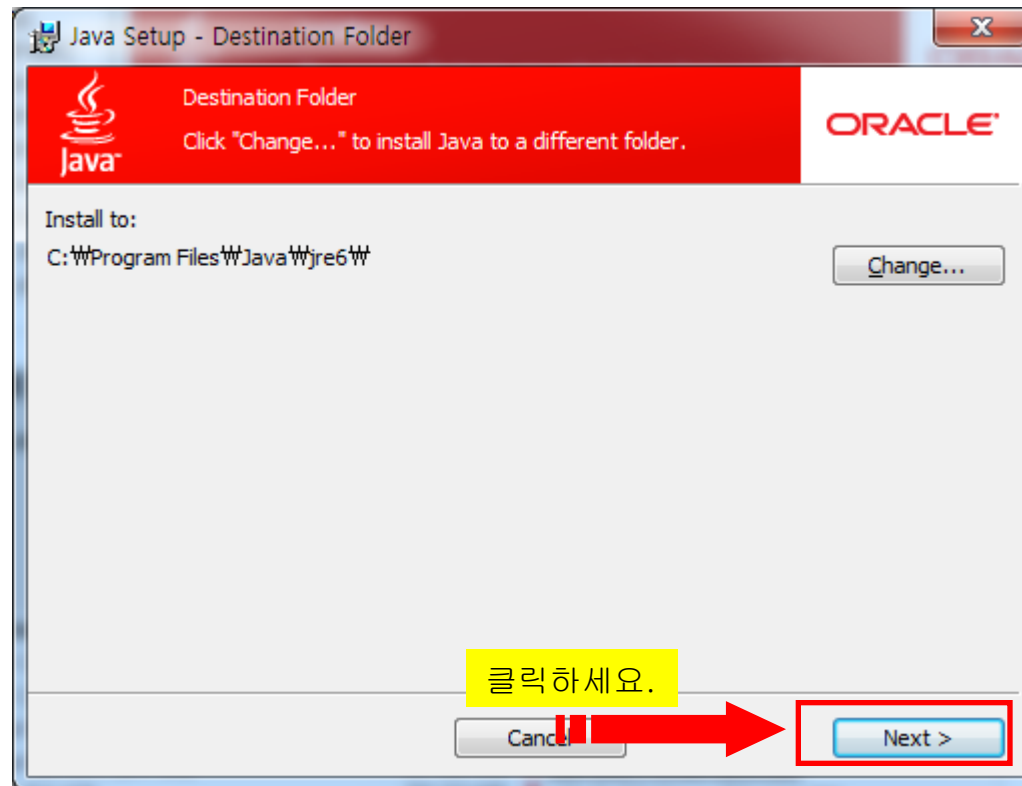
2. JDK 설치

- 설치가 진행됩니다.



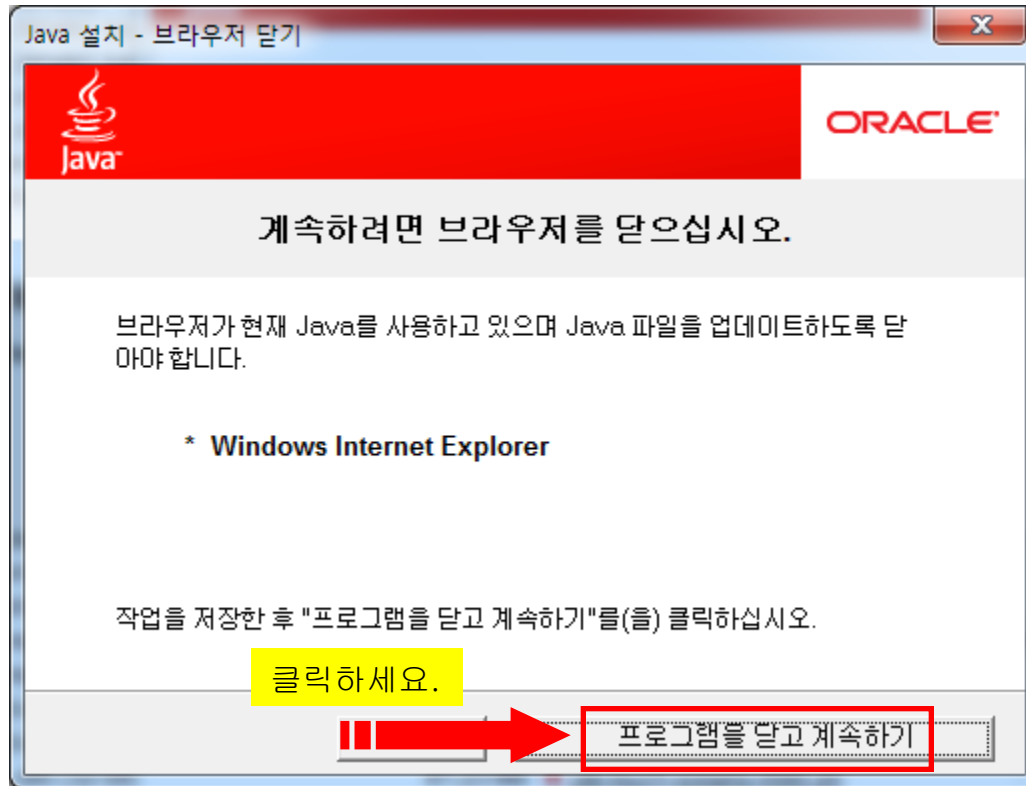
2. JDK 설치

- JRE의 설치 위치를 변경할 수 있는 화면입니다. 그냥 'Next >'를 누릅니다.



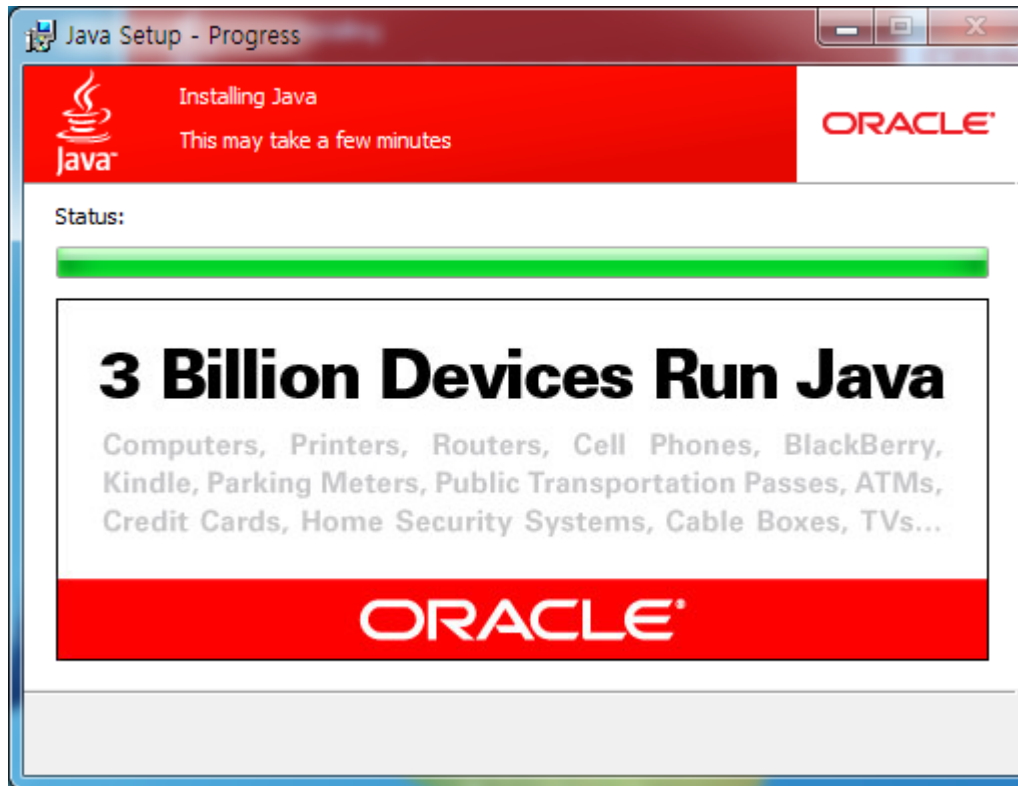
2. JDK 설치

- 만일 아래와 같은 화면이 나타나면 '프로그램을 닫고 계속하기'를 클릭하세요.



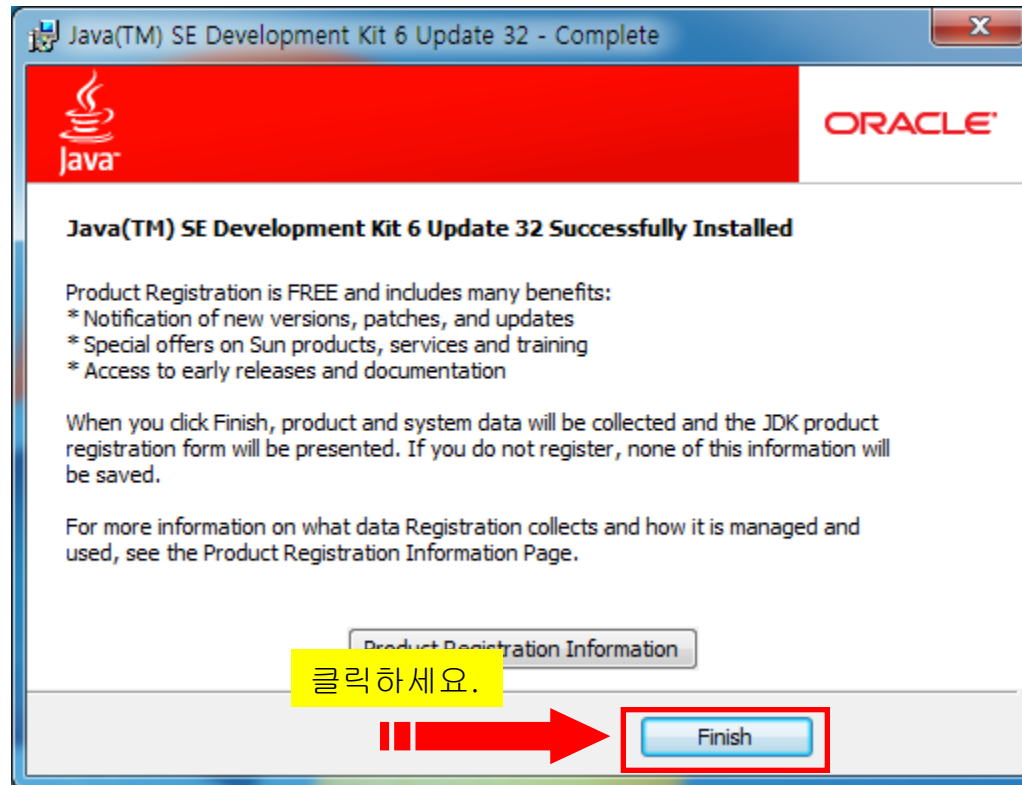
2. JDK 설치

- 아래와 같은 화면이 나타나면서 JRE의 설치가 진행됩니다.



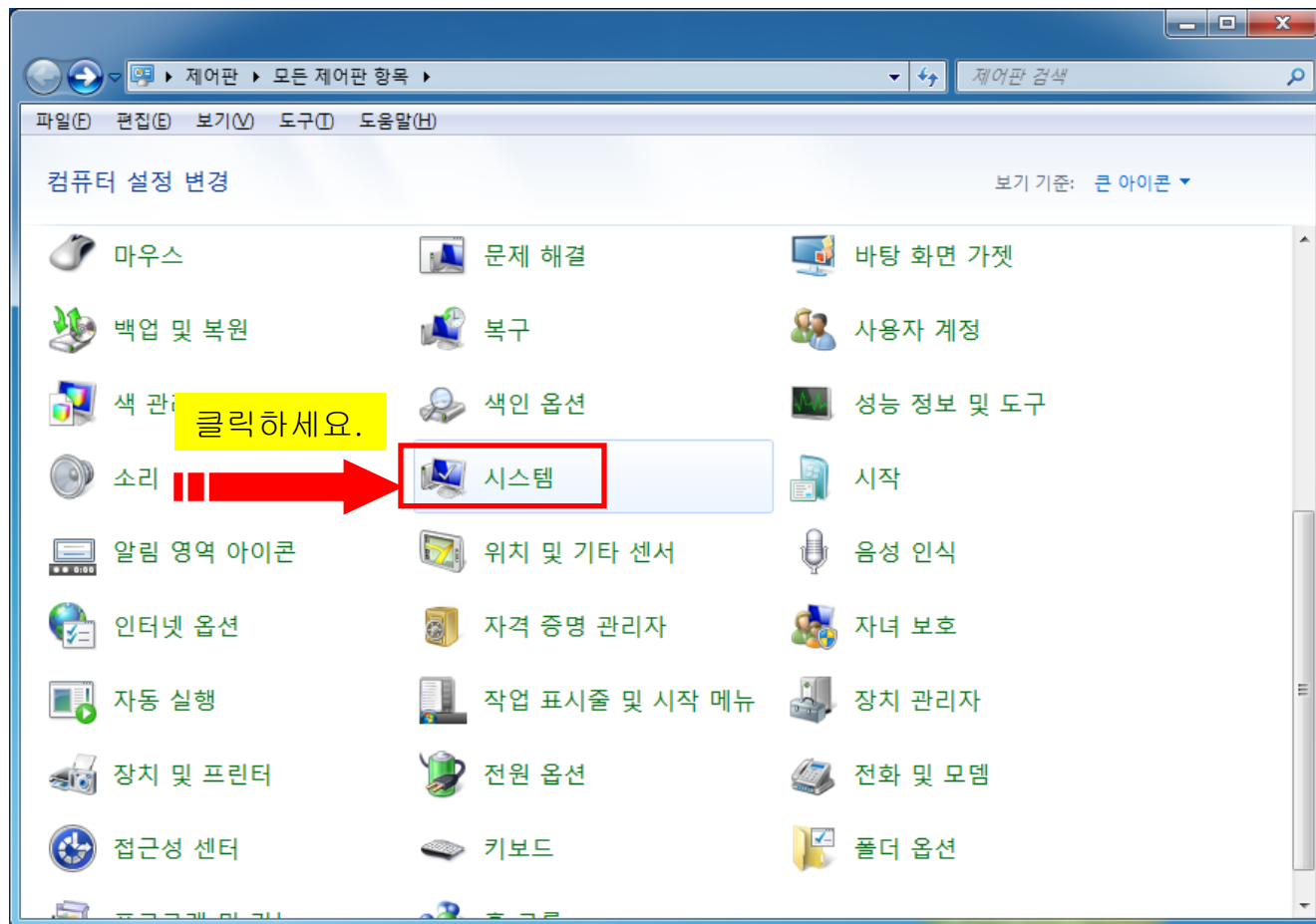
2. JDK 설치

- 아래와 같은 화면이 나타나면 JDK의 설치가 모두 끝난 것입니다.



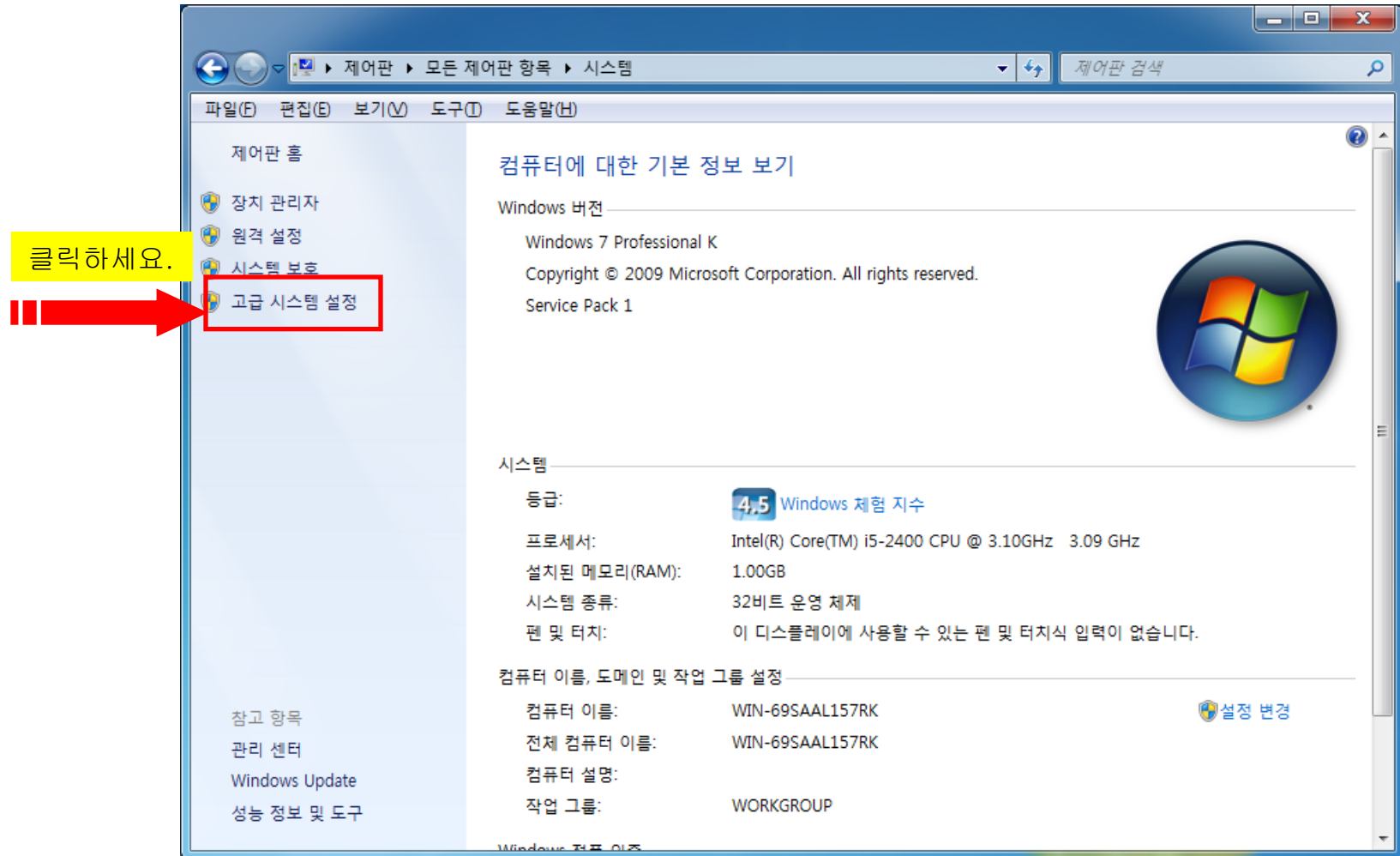
3. JDK 설정

- 제어판을 열고 ‘시스템’을 클릭하세요.



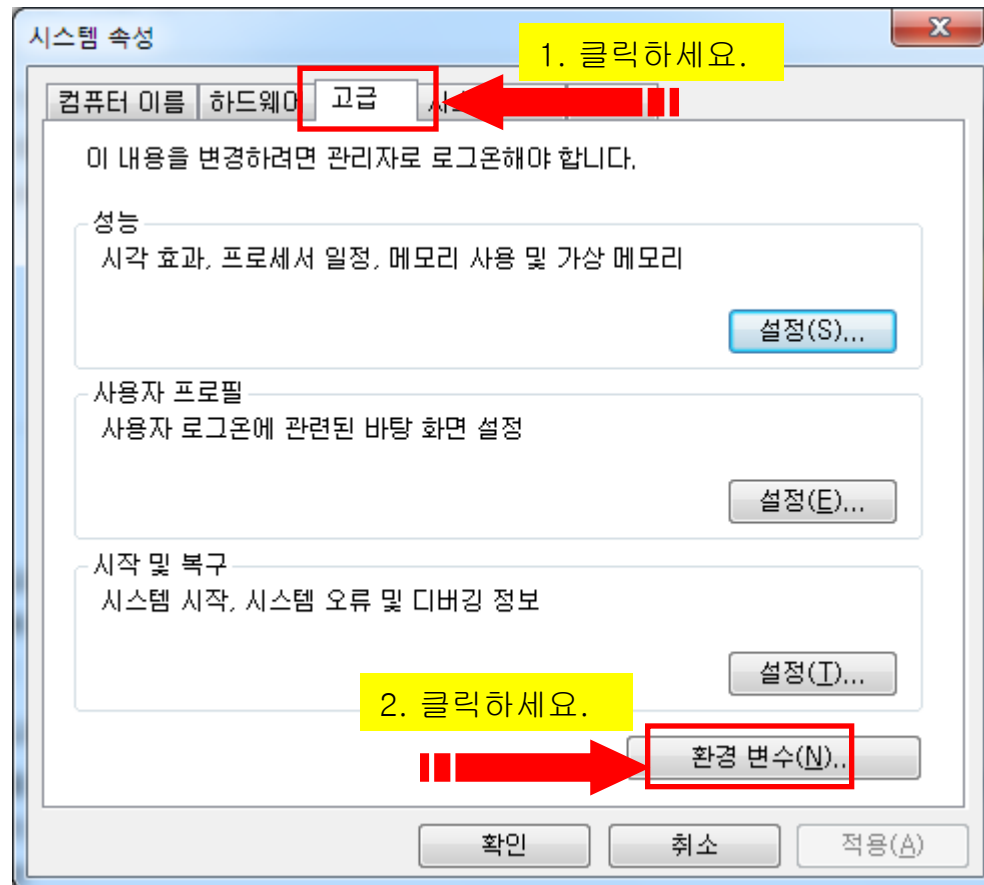
3. JDK 설정

- 고급 시스템 설정을 클릭하세요.



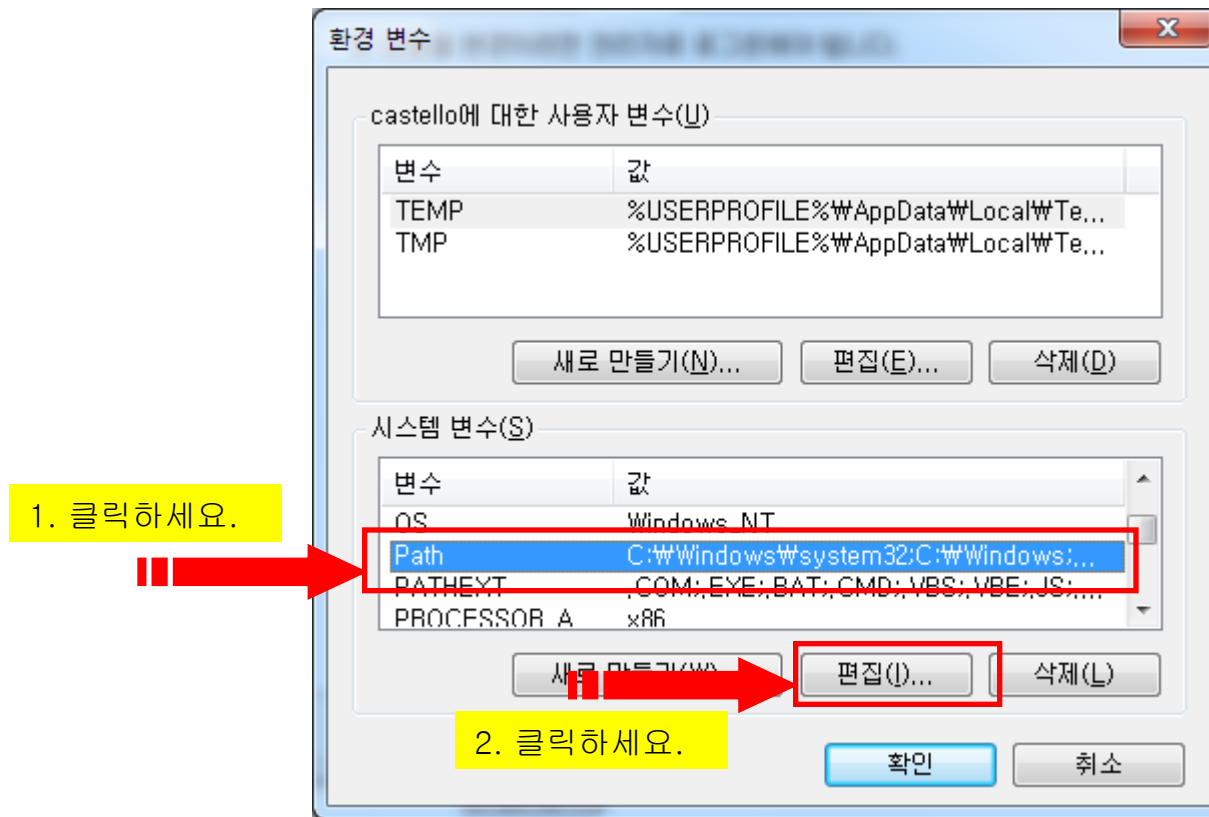
3. JDK 설정

- 상단의 '고급'탭을 클릭한 다음, 하단의 '환경변수(N)'를 클릭하세요.



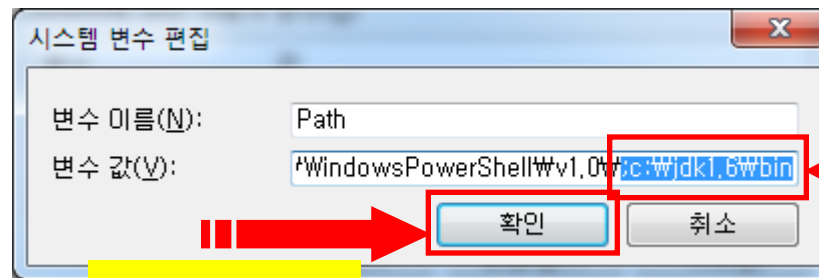
3. JDK 설정

- 아래의 환경변수화면에서 'Path'를 선택하고 '편집(I)'버튼을 클릭하세요.



3. JDK 설정

- 기존의 'Path'의 '변수 값' 마지막에 ';c:\jdk1.6\bin'을 추가한 다음 '확인'버튼을 누른다.(JDK설치장소\bin을 Path에 추가한다.)
이렇게 해야 javac.exe와 같이 c:\jdk1.6\bin에 있는 실행파일들을 경로에 관계없이 어디서나 실행할 수 있다.

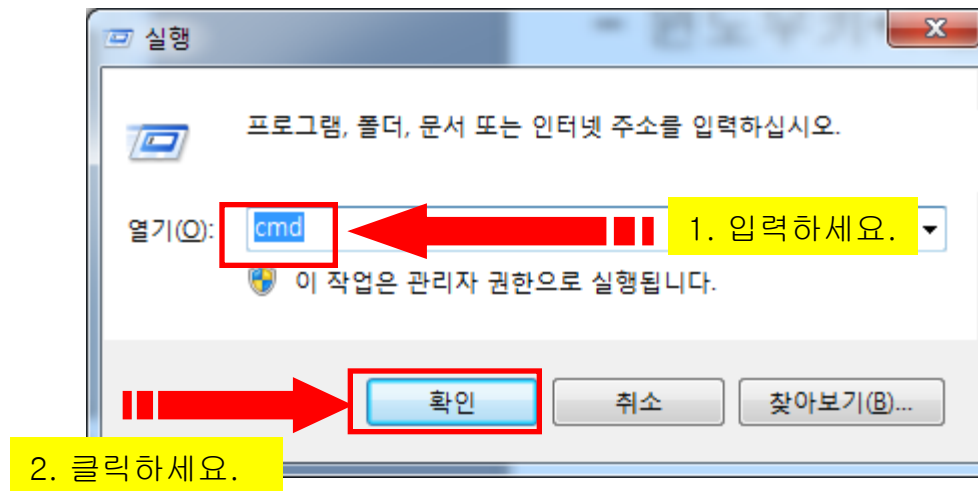


1. 내용을 추가하세요.

2. 클릭하세요.

3. JDK 설정

- 윈도우키+R을 누르면 다음과 같은 화면이 나타납니다.
(윈도우키는 왼쪽Ctrl의 옆에 있습니다.)



3. JDK 설정

- 먼저 'path'라고 입력하면, 설정된 path를 확인할 수 있다. 이전에 변경한 내용과 같은지 확인한다.
그 다음 'javac'라고 입력하면 다음과 같은 화면이 나타난다.

The screenshot shows a Windows command prompt window titled "C:\Windows\system32\cmd.exe". The text inside the window is as follows:

```
Microsoft Windows [Version 6.0.6002.18005]
Copyright (c) 2009 Microsoft Corporation

C:\Users\castello>path
PATH=C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;c:\jdk1.6\bin

C:\Users\castello>javac
```

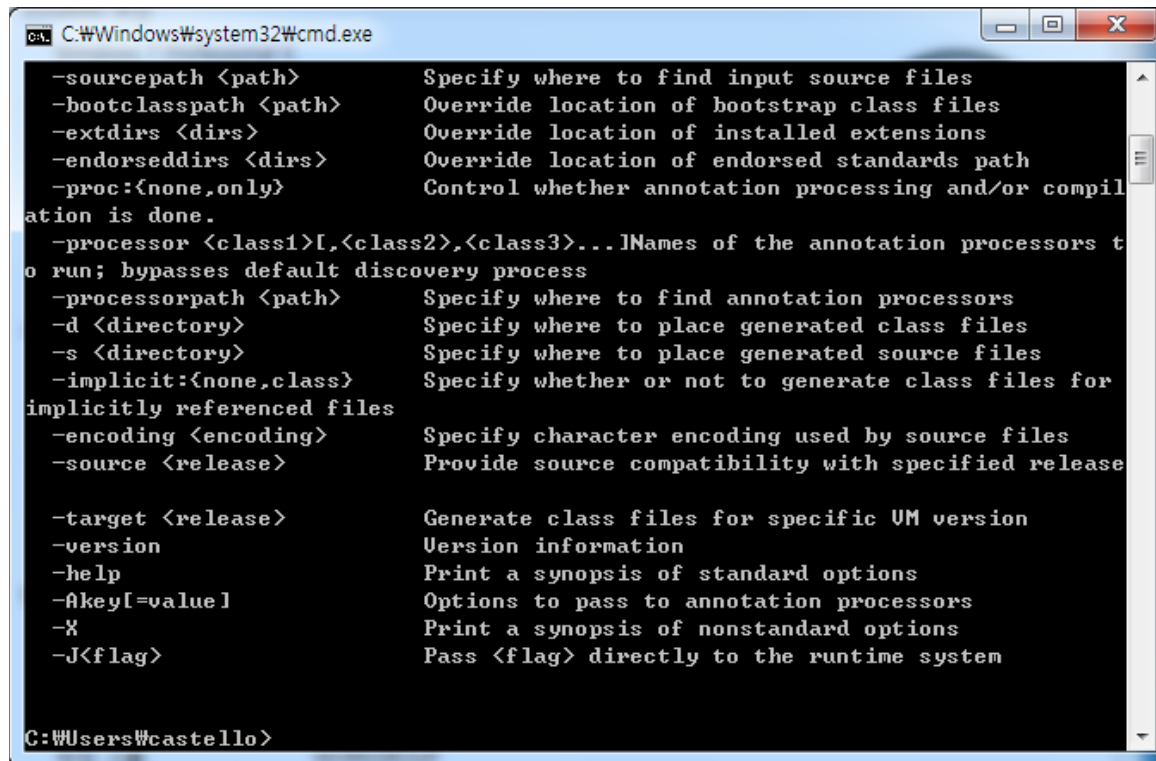
Three red arrows point to specific parts of the output, each with a corresponding yellow callout box:

- Arrow 1 points to the command `path`. Callout: "1. path라고 입력하고 엔터키를 누르세요."
- Arrow 2 points to the path `c:\jdk1.6\bin` in the output. Callout: "2. c:\jdk1.6\bin이 추가 되었음을 확인"
- Arrow 3 points to the command `javac`. Callout: "3. javac라고 입력하고 엔터키를 누르세요."

3. JDK 설정

- 아래와 같은 화면이 나타나면 설정이 잘 된것입니다.

만일 'javac'은(는) 내부 또는 외부 명령, 실행할 수 있는 프로그램, 또는 배치 파일이 아닙니다.라는 내용이 나타나면 Path설정이 잘못된 것입니다. 다시한번 실제로 JDK를 설치한 위치와 Path를 확인해보세요.



```
C:\Windows\system32\cmd.exe

- sourcepath <path>          Specify where to find input source files
- bootclasspath <path>      Override location of bootstrap class files
- extdirs <dirs>            Override location of installed extensions
- endorseddirs <dirs>      Override location of endorsed standards path
- proc:{none,only}          Control whether annotation processing and/or compilation is done.
- processor <class1>[,<class2>,<class3>...] Names of the annotation processors to run; bypasses default discovery process
- processorpath <path>      Specify where to find annotation processors
- d <directory>             Specify where to place generated class files
- s <directory>             Specify where to place generated source files
- implicit:{none,class}     Specify whether or not to generate class files for implicitly referenced files
- encoding <encoding>       Specify character encoding used by source files
- source <release>          Provide source compatibility with specified release

- target <release>          Generate class files for specific VM version
- version                   Version information
- help                      Print a synopsis of standard options
- Akey[=value]              Options to pass to annotation processors
- X                         Print a synopsis of nonstandard options
- J<flag>                   Pass <flag> directly to the runtime system

C:\Users\castello>
```

3. JDK 설정

- 이것으로 JDK의 설치 및 설정이 모두 끝났다. 더이상 설치관련해서 해야할 일은 없다. classpath를 설정해야한다던가하는 일은 하지 않아도 됩니다.

JDK1.2 이전에는 classpath를 따로 설정해 주어야 했으나, JDK1.2이후로는 별도로 설정해주지 않아도 됩니다.

(나중에 classpath를 설정해야하는 경우가 있을 수 있지만, 지금은 하지 않아도 됩니다.)