

* Java JDK 설치방법

1. java.sun.com 접속 → Java SE 클릭

The screenshot shows the Oracle Java website. At the top, there's a navigation bar with 'Menu', 'ORACLE', 'Search', 'Sign In', 'Country/Region', and 'Contact'. Below this is a banner for 'Oracle Technology Network / Java'. The main content area features a large blue cloud graphic on the left and a dark blue box on the right with the text 'SPECIAL OFFER: CREATE YOUR FREE ORACLE CLOUD ACCOUNT TODAY'. To the right of this is a 'Software Downloads' section with a red header. Under 'Top Downloads', 'Java SE' is highlighted with a red box. Other downloads listed include Java EE and GlassFish, JavaFX, Java Card, JDeveloper and ADF, Enterprise Pack for Eclipse, NetBeans IDE, and Pre-Built VM for Java Devs. Under 'New Downloads', there are links for Java SE 12.0.2, Java SE 11.0.4, Java SE 8 Update 221, Java CPU and PSU Releases Explained, and Java Card 3.1. Below the banner, there's a 'What's New' section with a Java logo and the text 'Java in the Cloud: Rapidly develop and deploy Java business applications in the cloud. Start for free.' The bottom of the page is divided into four columns: 'Essential Links', 'Developer Spotlight', 'Blogs', and 'Technologies'. 'Essential Links' includes links like 'About Us/Become a Member', 'Java APIs', 'Technical Articles', 'New to Java', 'Java Certification & Training', 'Java Bug Database', 'The Java Source Blog', '@Java', 'Java Developer Newsletter', 'Java Magazine', 'Demos and Videos', 'Community Platform', 'Java User Groups', 'Java Champions', 'Java Community Process', 'Adopt A JSR', 'Facebook | Forums', and 'Events | Virtual Technology Summit'. 'Developer Spotlight' features articles like 'Java EE—the Most Lightweight Enterprise Framework?', 'Modular and Reusable Java EE Architecture with Docker', 'Special Offer: Oracle Cloud for Java', 'The Java Trove: Part II', 'Lambda Usage with Collections and Method References', 'Shareloc: Share Your Location with Friends Using the Cloud', 'The Java Trove: Part I', 'Getting Started with Lambda Expressions', 'Filters in RESTful Java', 'Getting Onboard Oracle Java Cloud Service', and 'Migrating from Desktop to Cloud-Native Web Applications'. 'Blogs' includes '2019 Duke's Choice Award Nominations', 'Java Magazine on Containers', 'Java Magazine on Lightweight Frameworks', '30 New Java Champions Confirmed in 2018', 'Oracle JET Program at Oracle OpenWorld/Oracle Code One 2018', 'Five Typical Responses From Oracle JET's Unofficial World Tour', 'Oracle as an Agent of Social Change', 'My OpenWorld/JavaOne 2017 Session Schedule', and 'From oJNavigationList to oJTrain'. 'Technologies' lists 'Java SE', 'Java SE Subscription', 'Java Embedded', 'Java EE', 'Java ME', 'JavaFX', 'Java Card', 'Java TV', 'Java DB', and 'Developer Tools'. There's also a 'NightHacking Videos' section with a logo for 'I AM A NIGHTHACKER' and 'NIGHTHACKING.COM'.

우측 상단에 Top Downloads 중 Java SE 클릭

2. 1.8버전 JDK 다운로드

Looking for Oracle OpenJDK builds? ▪ Oracle Customers and ISVs targeting Oracle LTS releases: Oracle JDK is Oracle's supported Java SE version for customers and for developing, testing, prototyping or demonstrating your Java applications. ▪ End users and developers looking for free JDK versions: Oracle OpenJDK offers the same features and performance as Oracle JDK under the GPL license. To Learn more about these options visit Oracle JDK Releases for Java 11 and Later	
Java SE 11.0.4 (LTS) Java SE 11.0.4 is the latest release for the Java SE 11 Platform Learn more ▶	
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Java SE 8u221 <u>Java SE 8u221</u> includes important bug fixes. Oracle strongly recommends that all Java SE 8 users upgrade to this release. Learn more ▶	
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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. ▪ Administrators running applications on a server: Server JRE (Server Java Runtime Environment) For deploying Java applications on servers. Includes tools for JVM monitoring and tools commonly required for server applications, but does not include browser integration (the Java plug-in), auto-update, nor an installer. Learn more ▶ ▪ End user running Java on a desktop: JRE: (Java Runtime Environment). Covers most end-users needs. Contains everything required to run Java applications on your system.	

Java SE 8U 버전 다운로드 함

3. 라이선스 동의 후 자신의 운영체제에 맞는 버전 다운로드 후 설치

Java Magazine

The Oracle JDK License has changed for releases starting April 16, 2019.

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Oracle also provides the latest OpenJDK release under the open source [GPL License](#) at [jdk.java.net](#).

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 8u221 [checksum](#)

Java SE Development Kit 8u221

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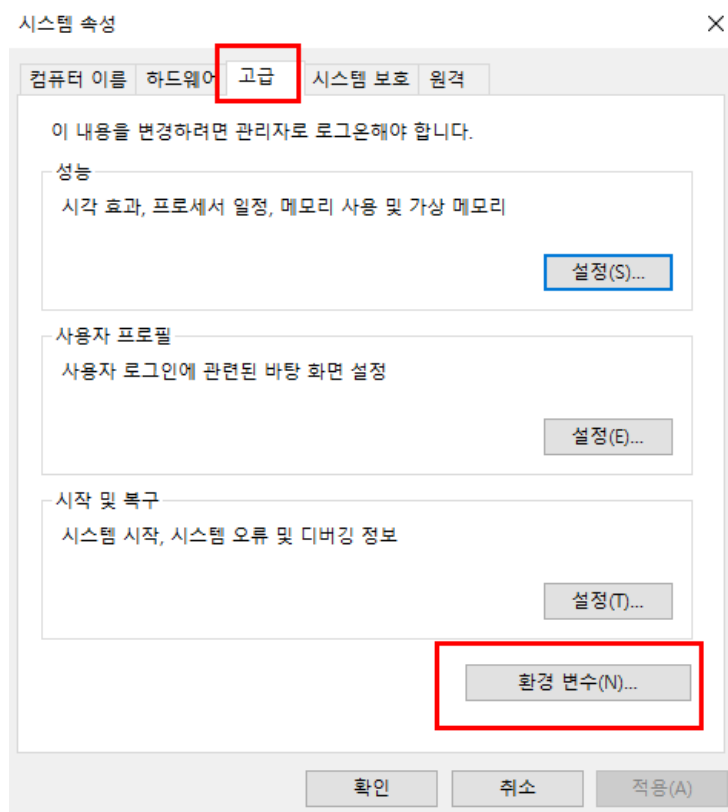
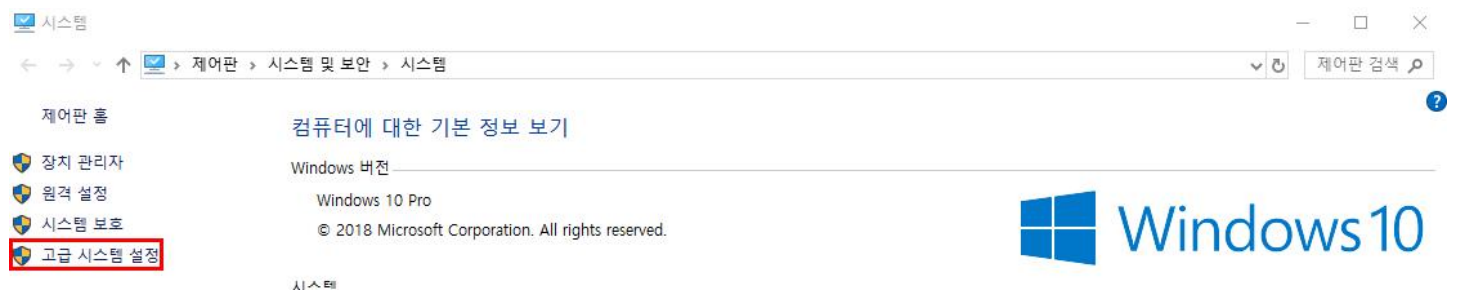
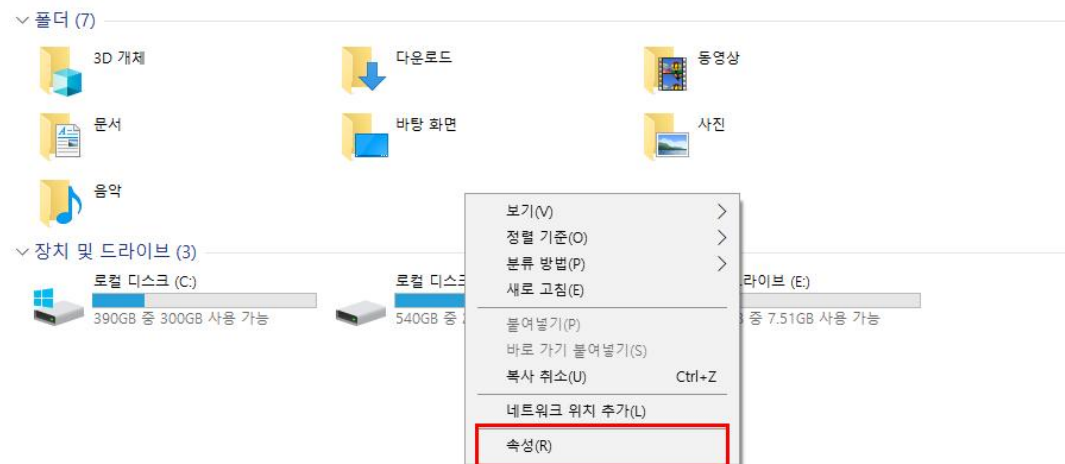
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* 다운로드 시 오라클 계정 로그인が必要です. 회원가입 절차 완료 후 다운받으세요.

4. Java 환경 변수 설정

- 내 컴퓨터 오른쪽 클릭 → 설정 → 고급 시스템 설정 → 고급 → 환경 변수
- 윈도우 10의 경우 내PC에서 마우스 우측 클릭 후 속성에 들어감



- 시스템 변수 → 새로 만들기에 아래 그림과 같이 입력.

시스템 변수 편집

변수 이름(N):

변수 값(V):

디렉터리 찾아보기(D)... 파일 찾아보기(F)...

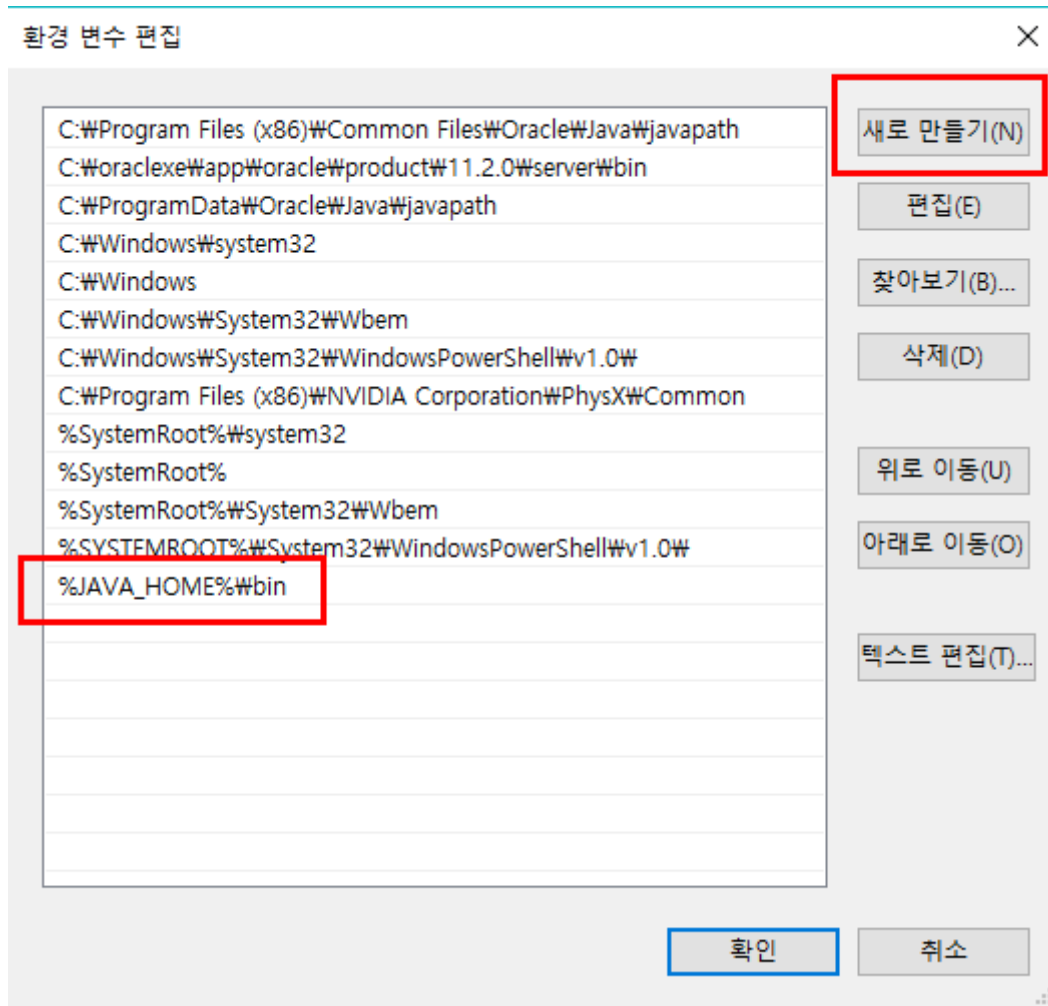
새로 만들기(N)... 편집(E)... 삭제(D)

시스템 변수(S)

변수	값
FP_NO_HOST_CH...	NO
JAVA_HOME	C:\Program Files\Java\jdk1.8.0_121
NUMBER_OF_PRO...	2
OS	Windows_NT

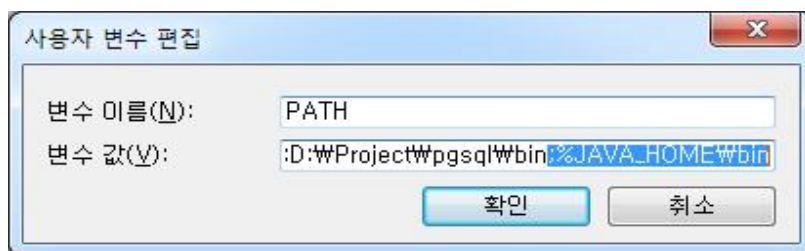
- Path 항목 더블클릭 → %JAVA_HOME%\bin 입력

- window 10 기준



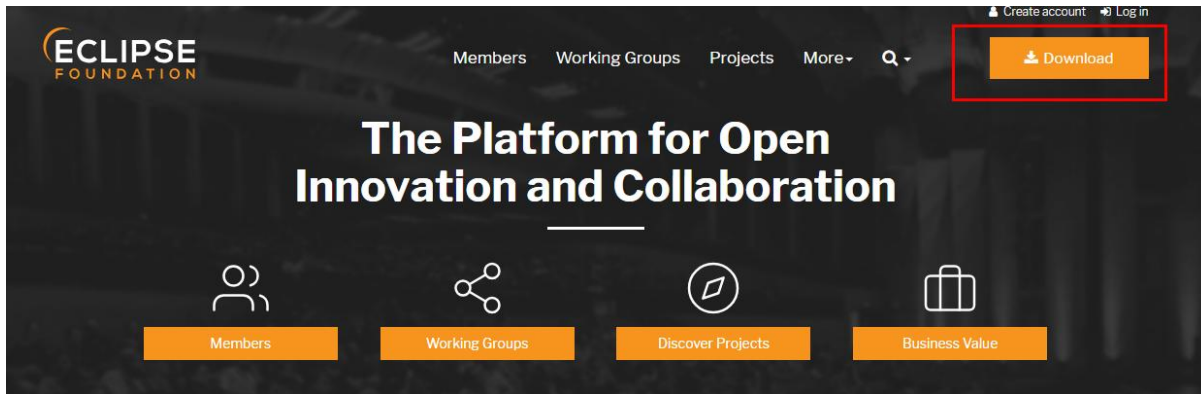
- window 7 기준

- ;%JAVA_HOME%\bin 입력 (앞에 세미콜론에 주의)

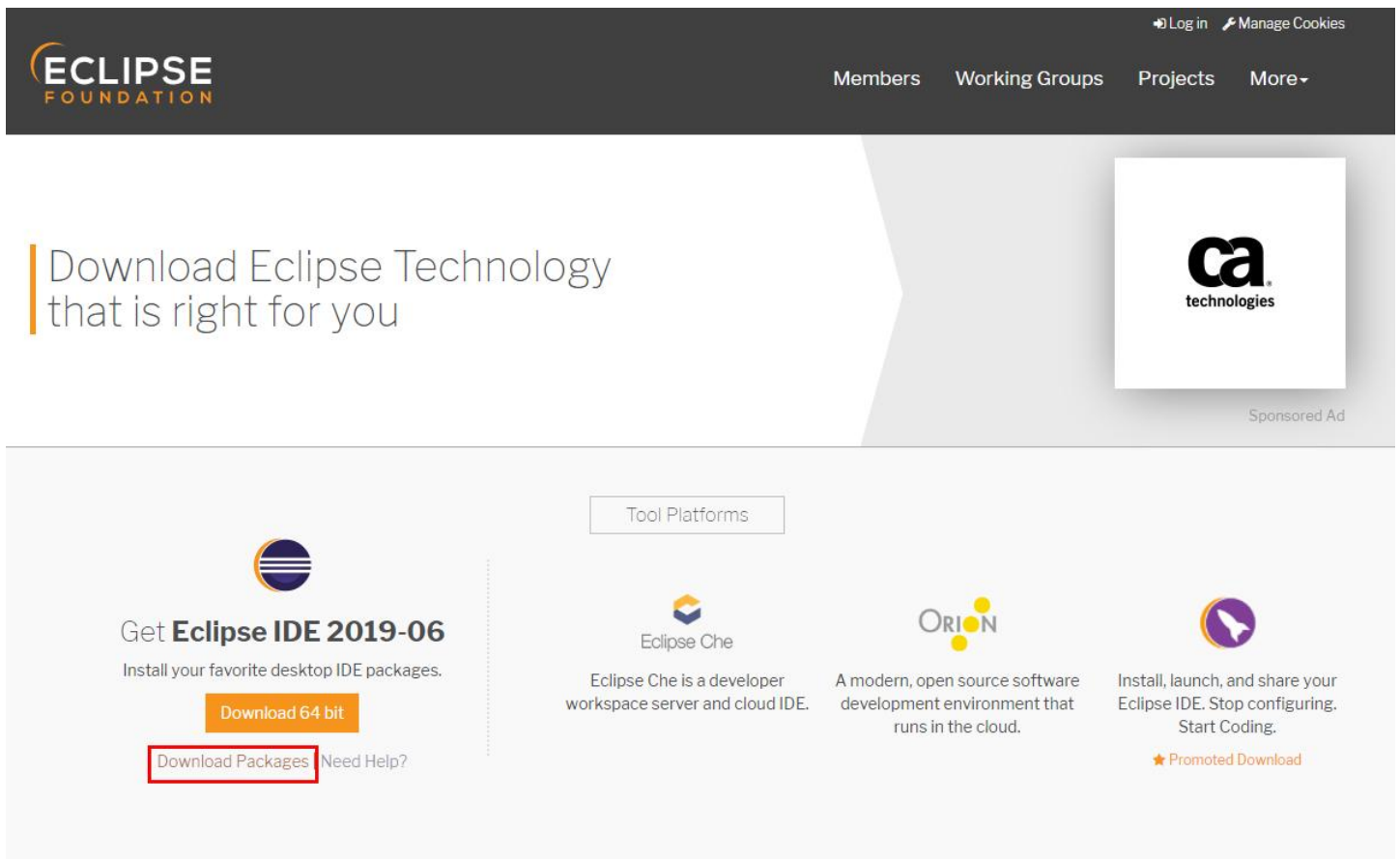


* 이클립스 설치

1. eclipse.org 접속 → download 클릭



2. Downlode Packages 클릭



3. Java EE Developer 다운로드 (Eclipse IDE for Enterprise JAVA Developers win 64bit)

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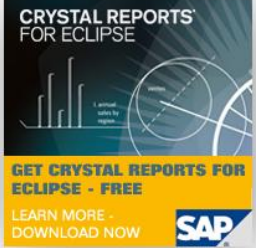
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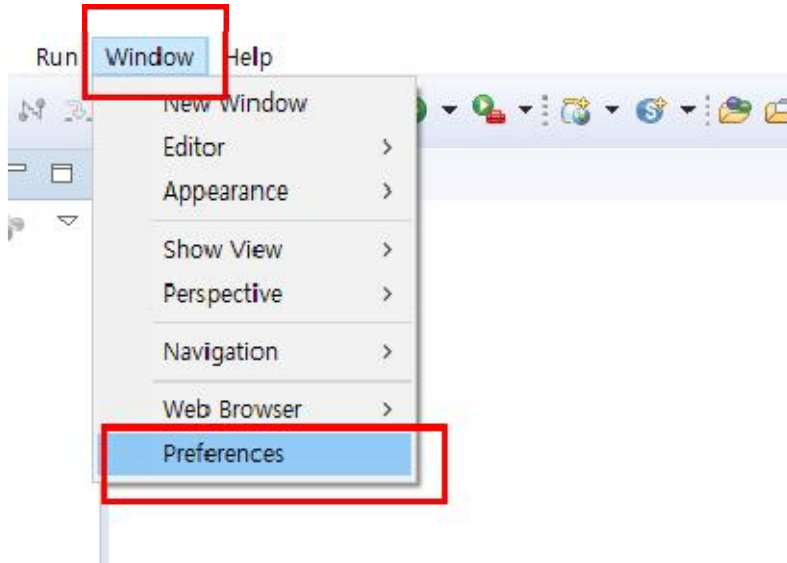
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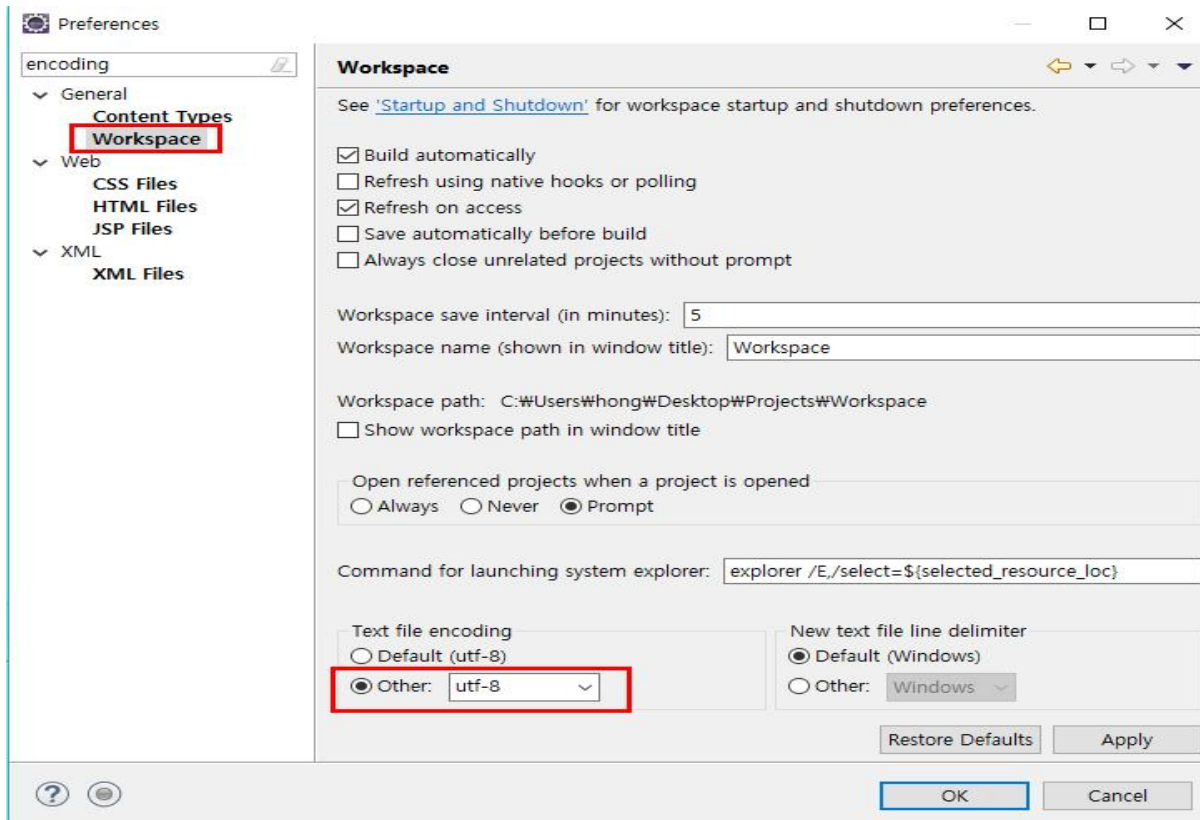


* 이클립스 실행 후 한글 인코딩

1. window → preference 클릭



2. 좌측 상단에 encoding 입력 후 workspace 클릭 -> 인코딩을 utf-8로 변경



3. 웹 프로그래밍의 경우 Css, JSP, HTML, XML도 모두 각각 변경

