

Chapter. 01

환경 설정

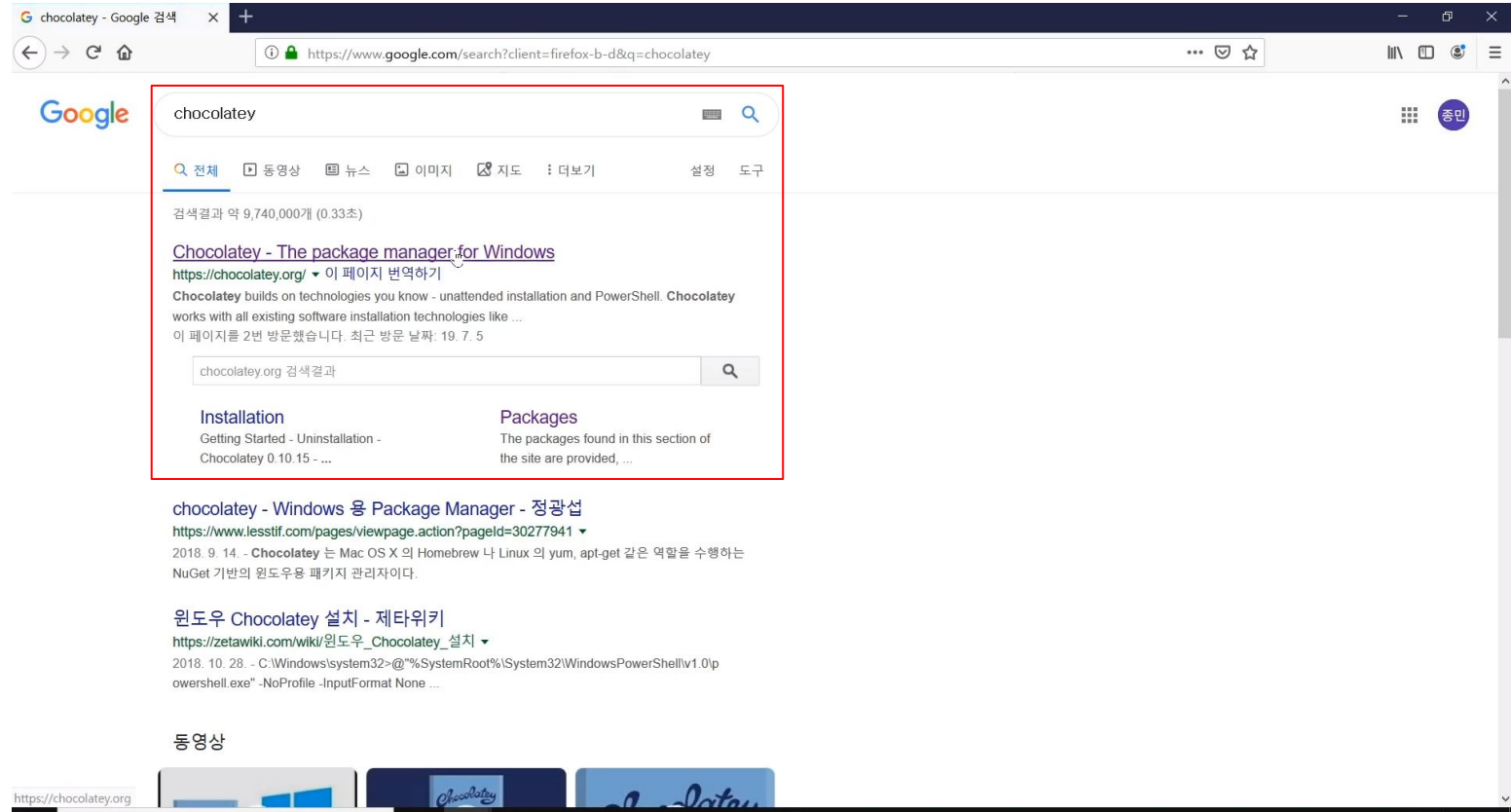
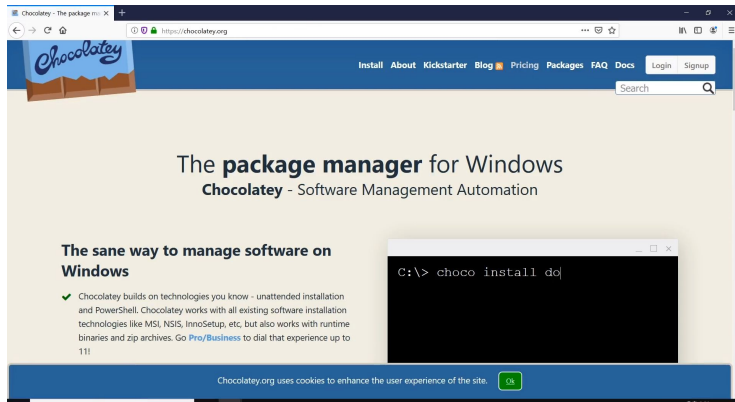
| window 에서 Java , Maven 설치

FAST CAMPUS
ONLINE
파이썬 웹

강사. 부종민

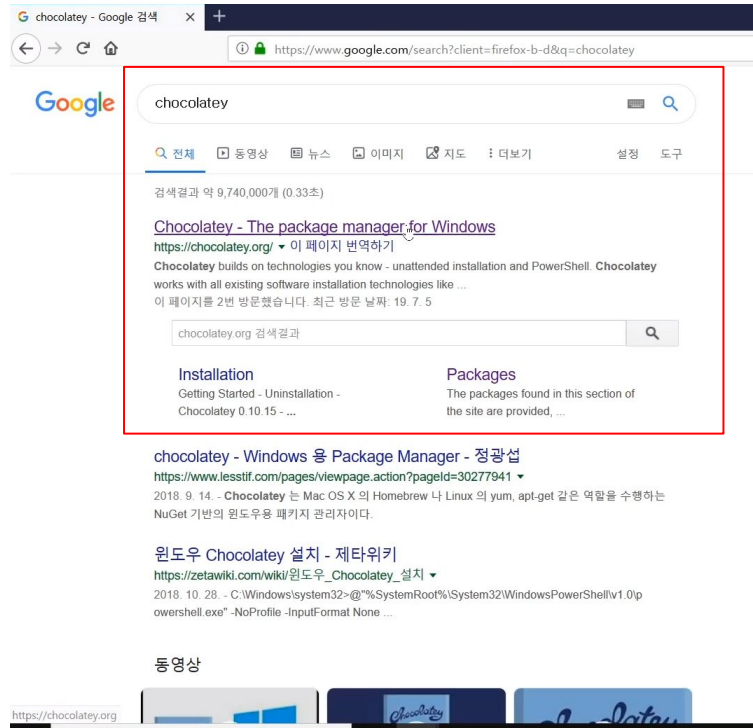
I Java 설치

1. 브라우저에서 chocolatey 검색

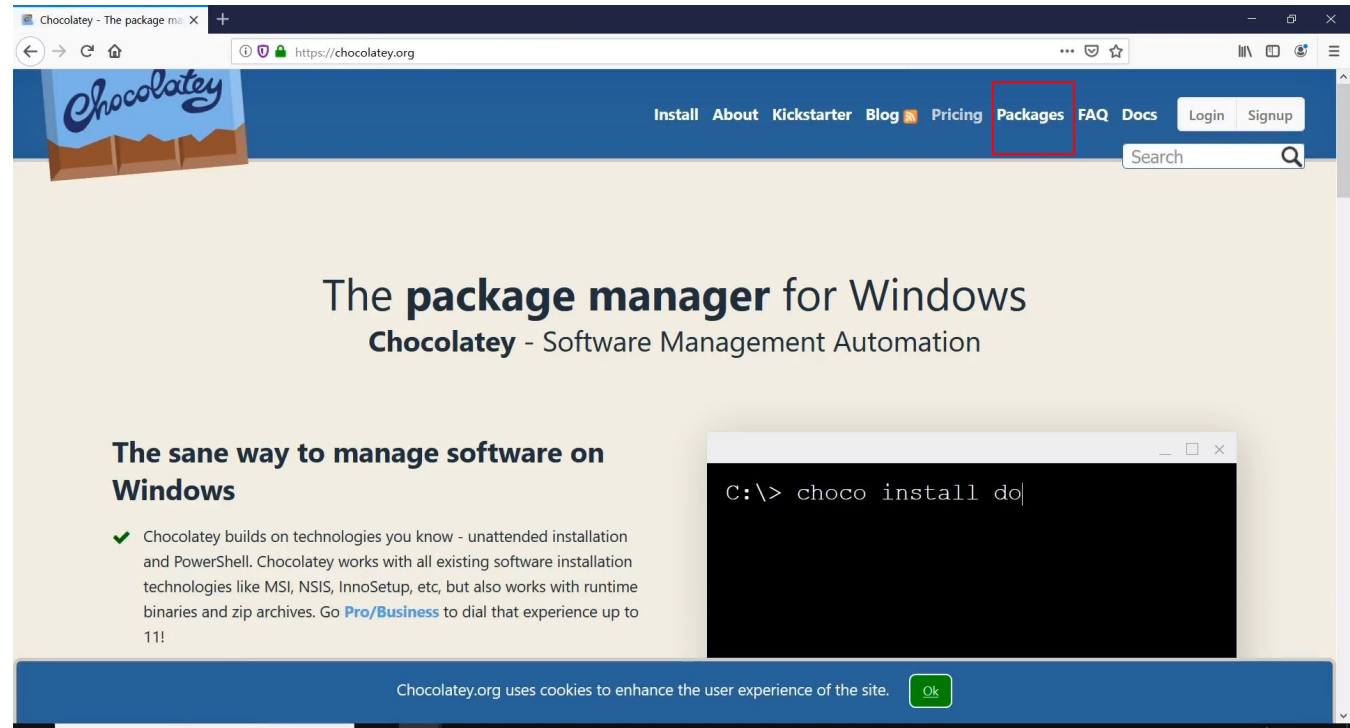


I Java 설치

1. 브라우저에서 chocolatey 검색

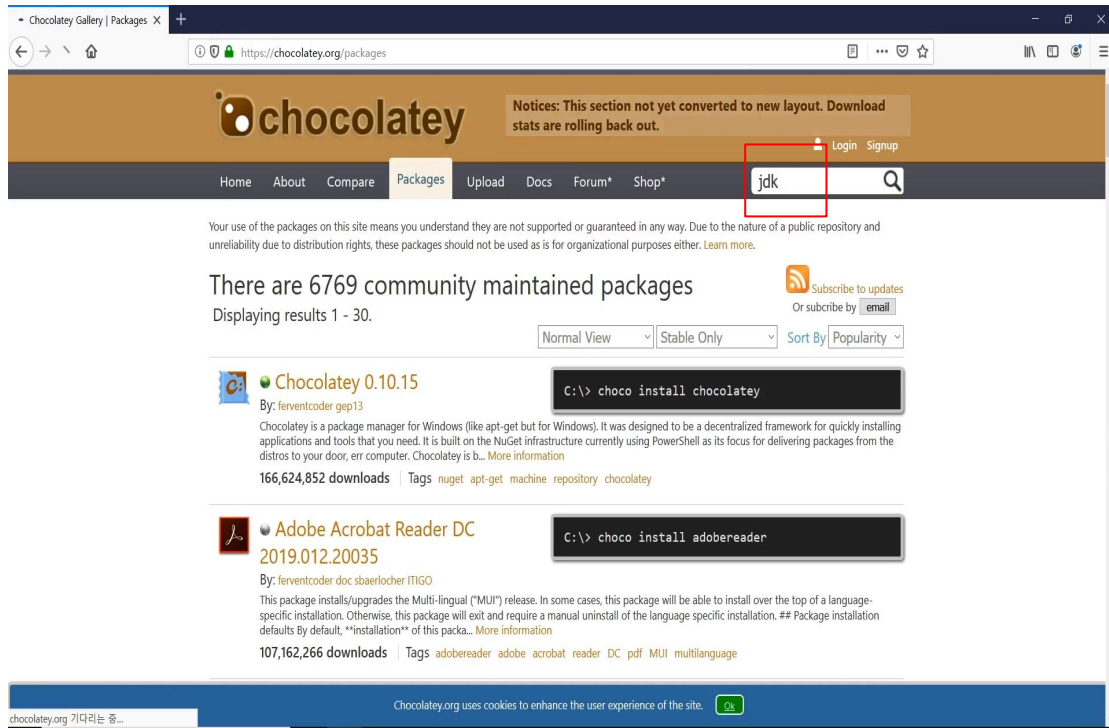


2. Packages 선택

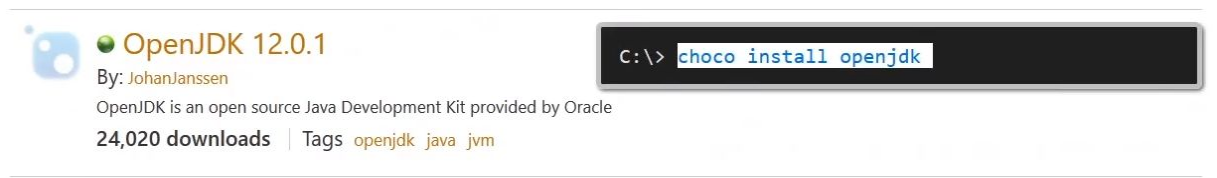


I Java 설치

3. JDK 검색하기! [Java Development Kit]

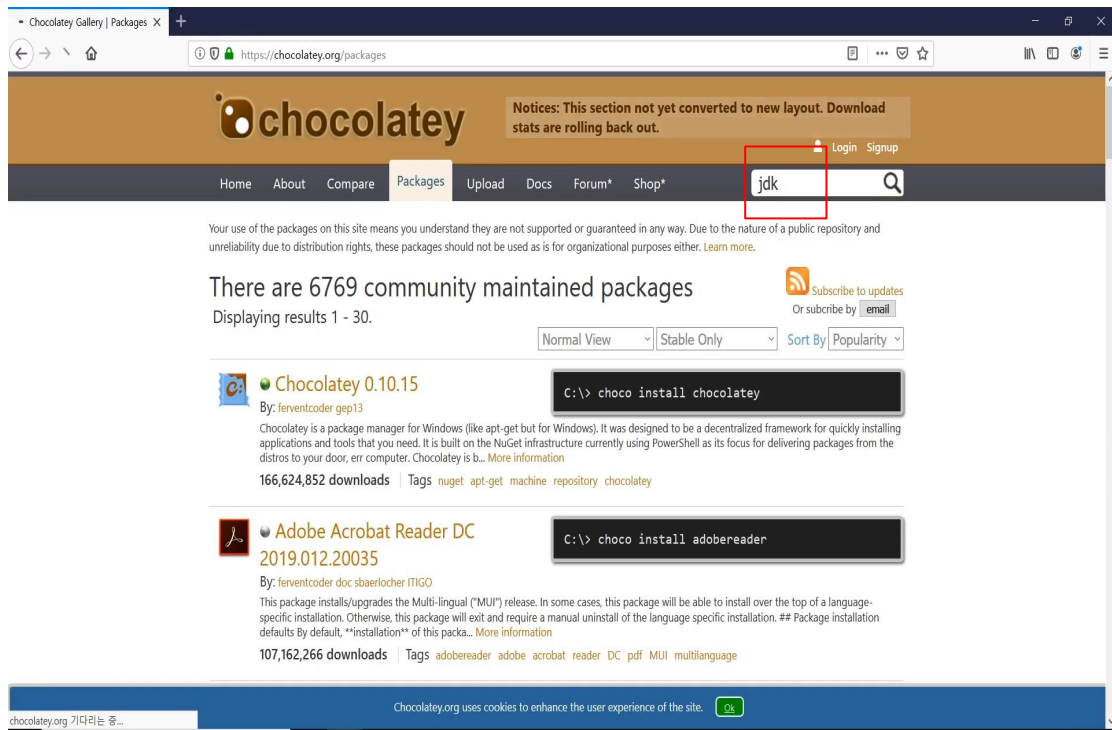


4. Open JDK 12 버전 다운 (choco install openjdk 명령어 복사)

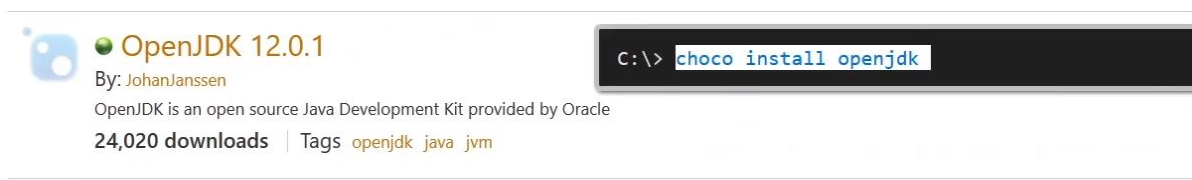


I Java 설치

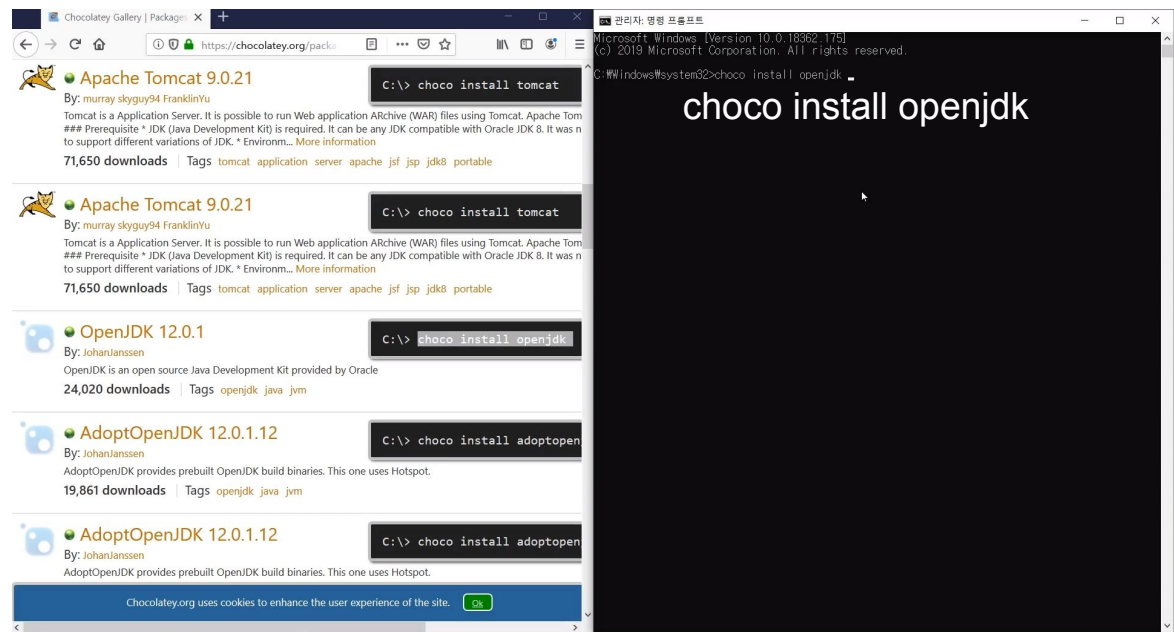
3. JDK 검색하기! [Java Development Kit]



4. Open JDK 12 버전 다운 (choco install openjdk 명령어 복사)



5. 명령 프롬프트 관리자 권한 실행 + 명령어 복사하기



I Java 설치

6. 설치된 파일 위치 확인

```
관리자: 명령 프롬프트
Microsoft Windows [Version 10.0.18362.175]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Windows\system32>choco install openjdk
Chocolatey v0.10.15
Installing the following packages:
openjdk
By installing you accept licenses for the packages.
Progress: Downloading openjdk 12.0.1... 100%

openjdk v12.0.1 [Approved]
openjdk package files install completed. Performing other installation steps.
The package openjdk wants to run 'chocolateyinstall.ps1'.
Note: If you don't run this script, the installation will fail.
Note: To confirm automatically next time, use '-y' or consider:
choco feature enable -n allowGlobalConfirmation
Do you want to run the script?([Y]es/[A]ll - yes to all/[N]o/[P]rint): y

Downloading openjdk
  from 'https://download.oracle.com/java/GA/jdk12.0.1/69cfe15208a647278a19ef0990eea691/12/GPL
/openjdk-12.0.1_windows-x64_bin.zip'
Progress: 100% - Completed download of C:\Users\boojongmin\AppData\Local\Temp\chocolatey\open
jdk\12.0.1\openjdk-12.0.1_windows-x64_bin.zip (187.32 MB).
Download of openjdk-12.0.1_windows-x64_bin.zip (187.32 MB) completed.
Extracting C:\Users\boojongmin\AppData\Local\Temp\chocolatey\openjdk\12.0.1\openjdk-12.0.1_wi
ndows-x64_bin.zip to C:\Program Files\OpenJDK...
C:\Program Files\OpenJDK
PATH environment variable does not have C:\Program Files\OpenJDK\jdk-12.0.1\bin in it. Adding
...
Environment Vars (like PATH) have changed. Close/reopen your shell to
see the changes (or in powershell/cmd.exe just type 'refreshenv').
The install of openjdk was successful.
Software installed to 'C:\Program Files\OpenJDK'

Chocolatey installed 1/1 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).

C:\Windows\system32>refreshenv
Refreshing environment variables from registry for cmd.exe. Please wait...Finished..

C:\Windows\system32>java -version
openjdk version "12.0.1" 2019-04-16
OpenJDK Runtime Environment (build 12.0.1+12)
OpenJDK 64-Bit Server VM (build 12.0.1+12, mixed mode, sharing)

C:\Windows\system32>
```

7. refreshenv 입력 후 & java --version 확인

```
관리자: 명령 프롬프트
Microsoft Windows [Version 10.0.18362.175]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Windows\system32>choco install openjdk
Chocolatey v0.10.15
Installing the following packages:
openjdk
By installing you accept licenses for the packages.
Progress: Downloading openjdk 12.0.1... 100%

openjdk v12.0.1 [Approved]
openjdk package files install completed. Performing other installation steps.
The package openjdk wants to run 'chocolateyinstall.ps1'.
Note: If you don't run this script, the installation will fail.
Note: To confirm automatically next time, use '-y' or consider:
choco feature enable -n allowGlobalConfirmation
Do you want to run the script?([Y]es/[A]ll - yes to all/[N]o/[P]rint): y

Downloading openjdk
  from 'https://download.oracle.com/java/GA/jdk12.0.1/69cfe15208a647278a19ef0990eea691/12/GPL
/openjdk-12.0.1_windows-x64_bin.zip'
Progress: 100% - Completed download of C:\Users\boojongmin\AppData\Local\Temp\chocolatey\open
jdk\12.0.1\openjdk-12.0.1_windows-x64_bin.zip (187.32 MB).
Download of openjdk-12.0.1_windows-x64_bin.zip (187.32 MB) completed.
Extracting C:\Users\boojongmin\AppData\Local\Temp\chocolatey\openjdk\12.0.1\openjdk-12.0.1_wi
ndows-x64_bin.zip to C:\Program Files\OpenJDK...
C:\Program Files\OpenJDK
PATH environment variable does not have C:\Program Files\OpenJDK\jdk-12.0.1\bin in it. Adding
...
Environment Vars (like PATH) have changed. Close/reopen your shell to
see the changes (or in powershell/cmd.exe just type 'refreshenv').
The install of openjdk was successful.
Software installed to 'C:\Program Files\OpenJDK'

Chocolatey installed 1/1 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).

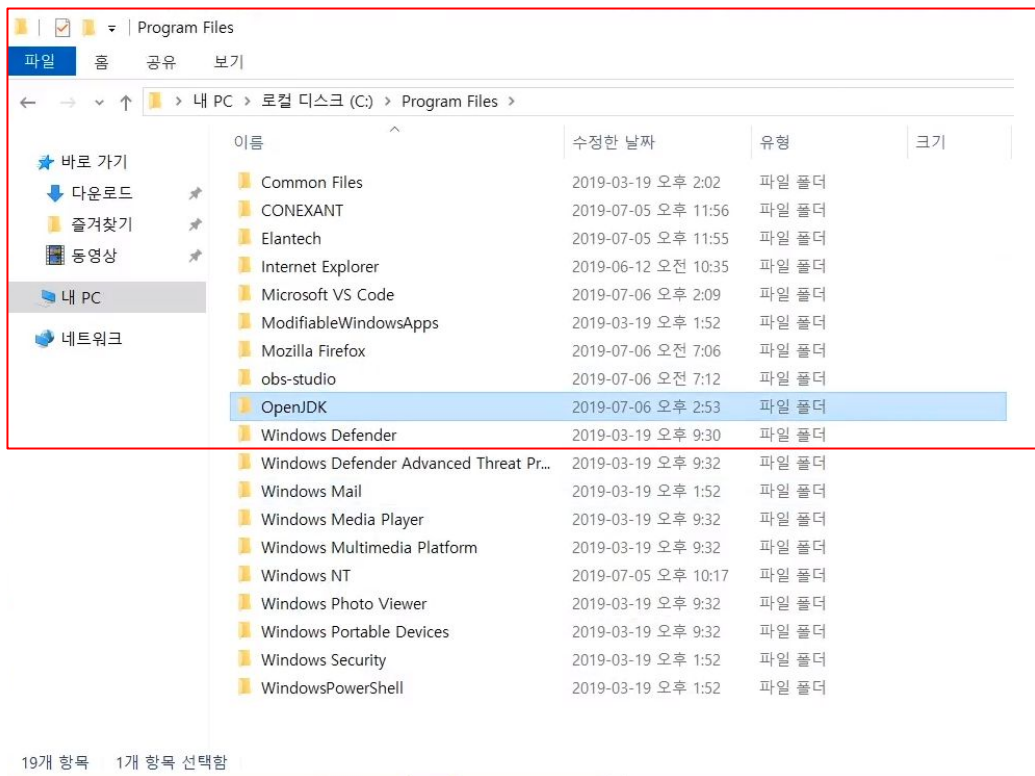
C:\Windows\system32>refreshenv
Refreshing environment variables from registry for cmd.exe. Please wait...Finished..

C:\Windows\system32>java -version
openjdk version "12.0.1" 2019-04-16
OpenJDK Runtime Environment (build 12.0.1+12)
OpenJDK 64-Bit Server VM (build 12.0.1+12, mixed mode, sharing)

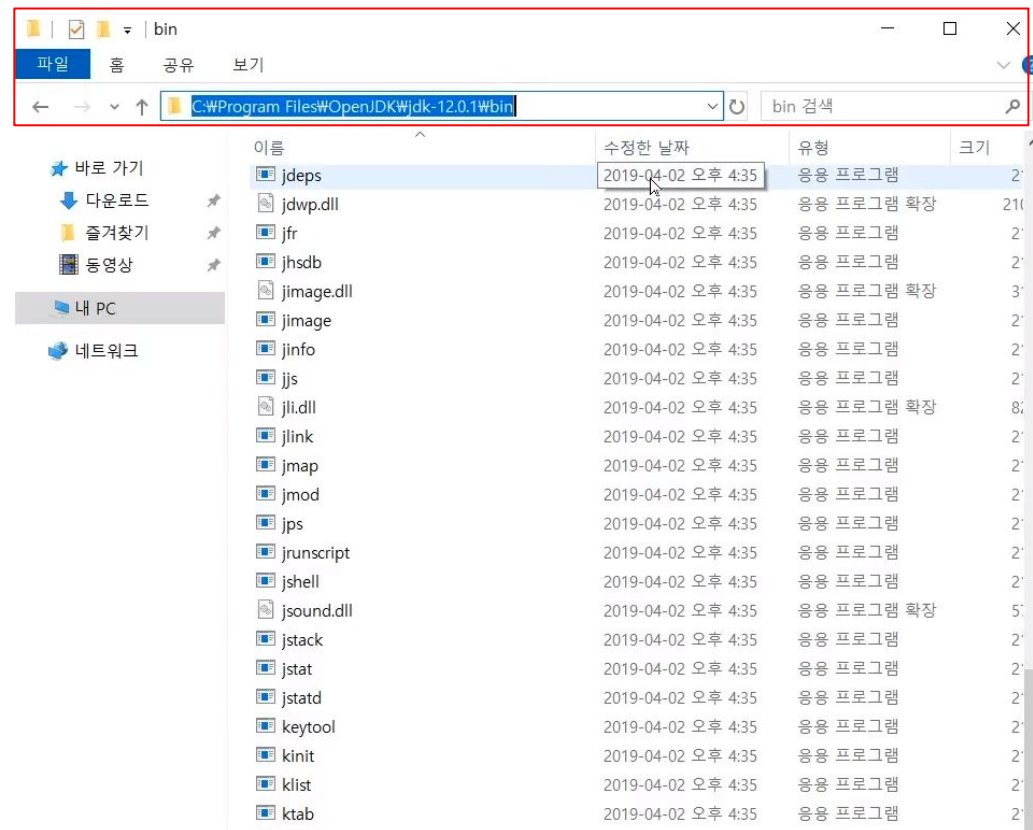
C:\Windows\system32>
```

I Java 설치

7. 설치된 파일 위치 확인 C : Program Fiels > Open JDK

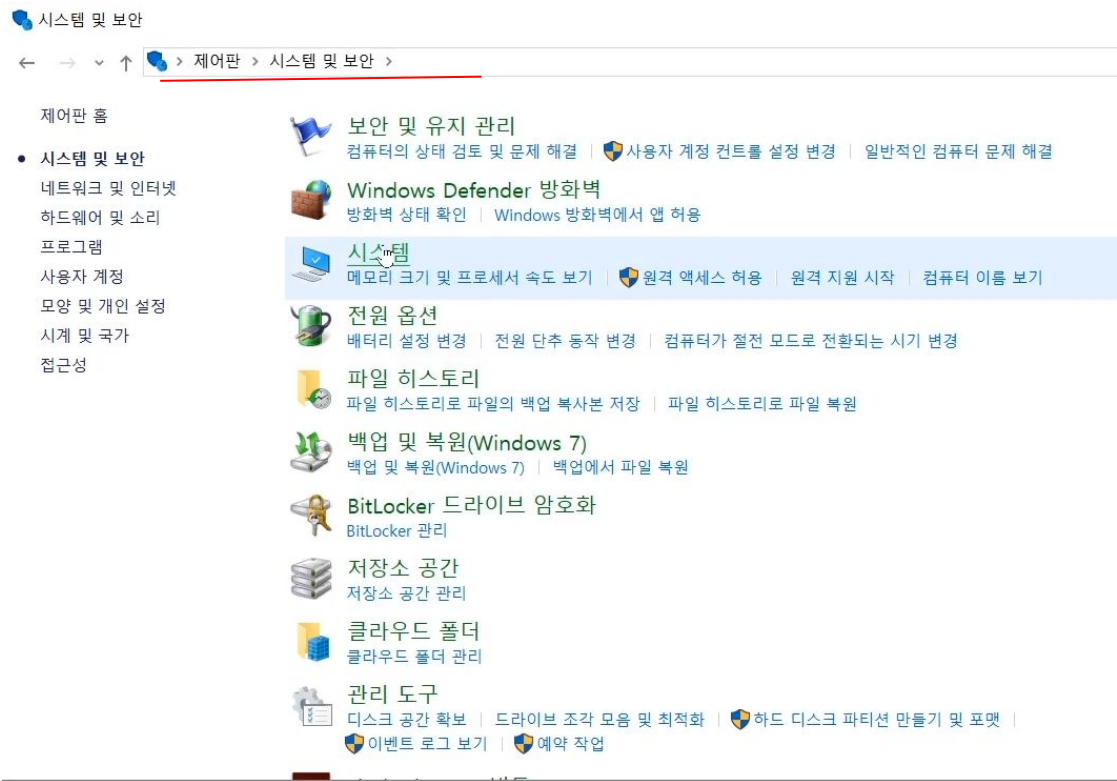


8. C : Program Fiels > Open JDK > jdk-12.0 > bin 경로를 환경변수 Path 에 지정해주어야 합니다.

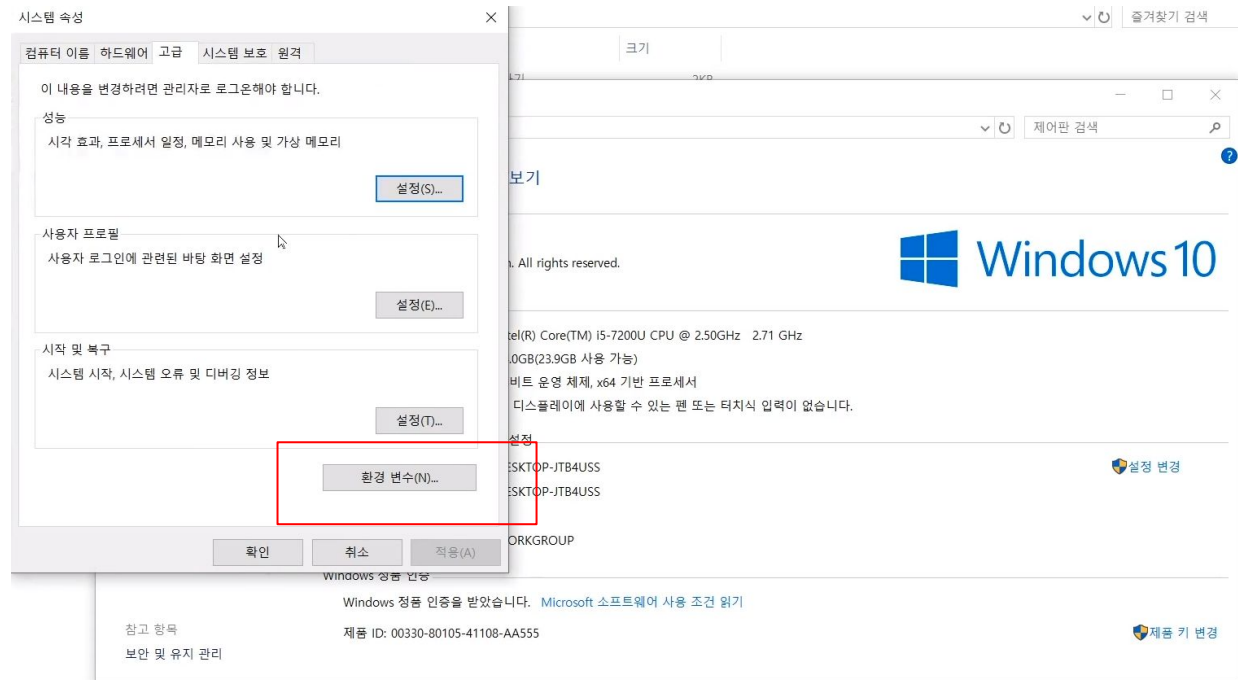


I Java 설치

9. 제어판 > 시스템 및 보안 > 시스템

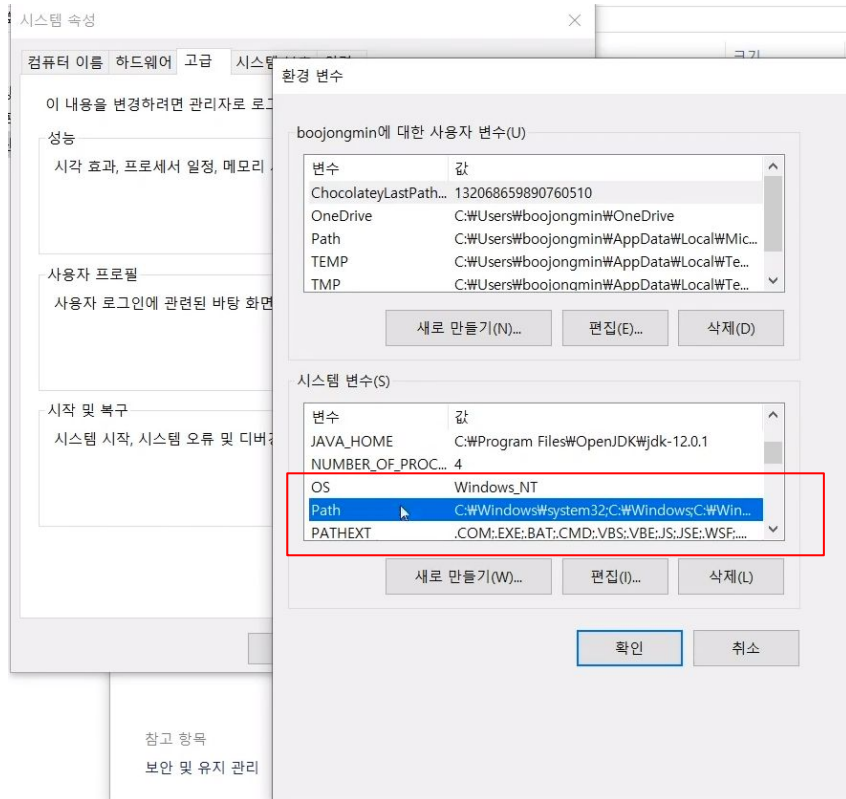
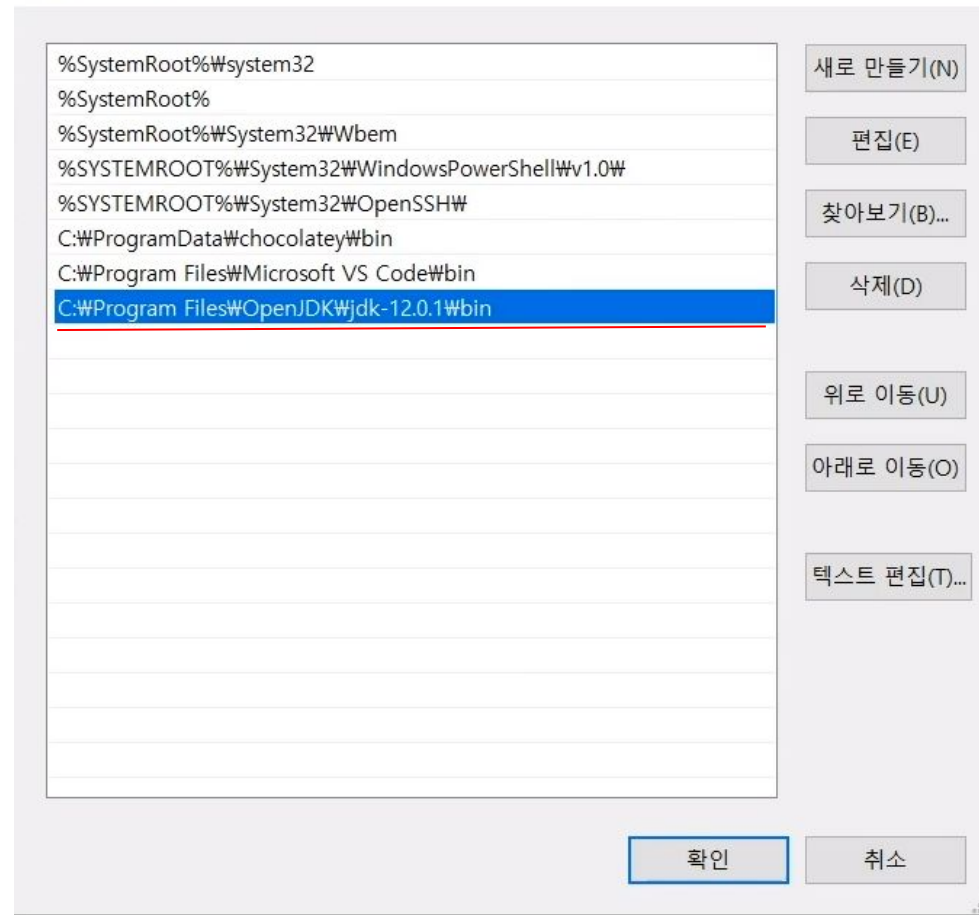


10. 제어판 > 시스템 및 보안 > 시스템 > 고급 시스템 설정 > 환경변수



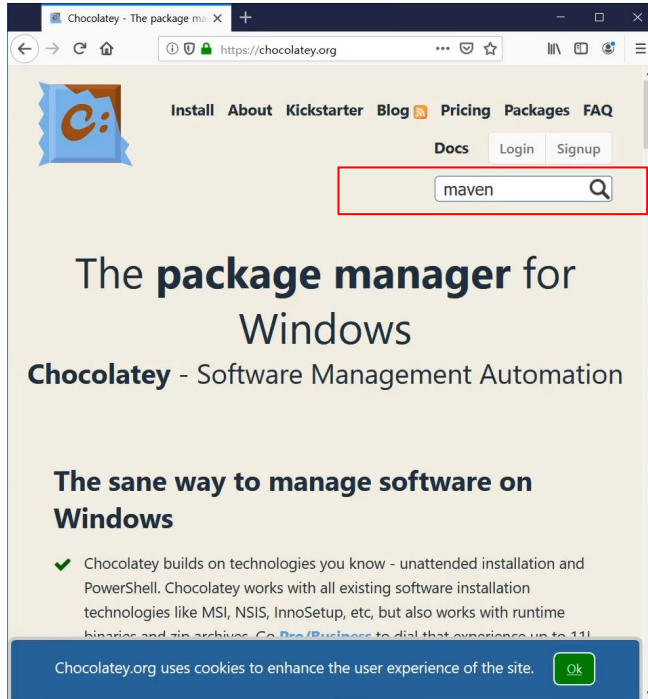
I Java 설치

12. 시스템 변수 > Path 더블클릭

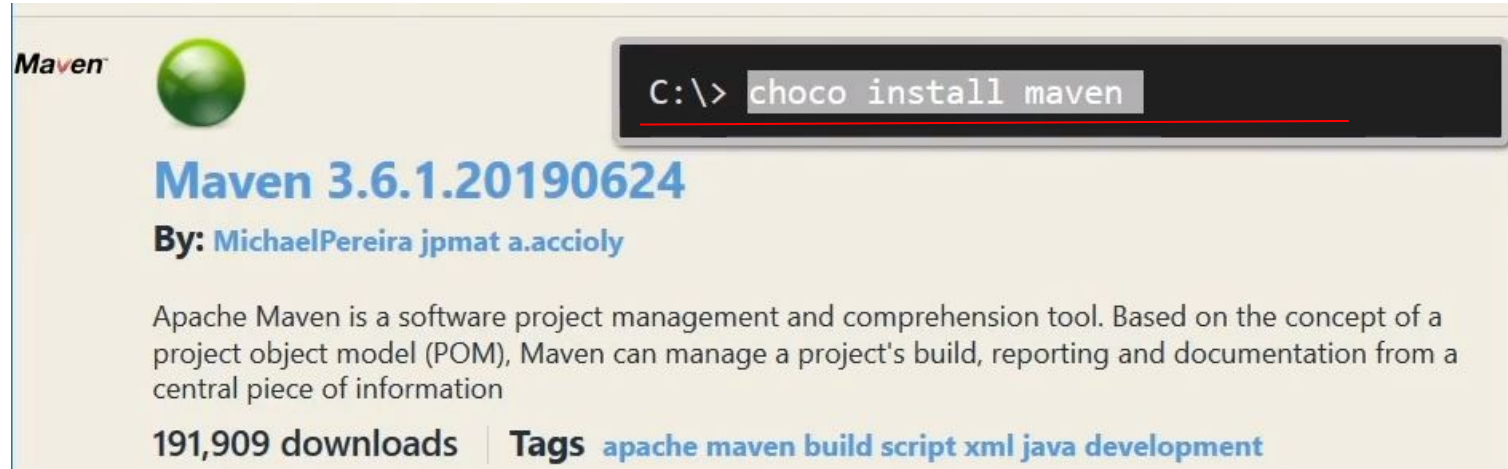
13. 다운받은 경로가 잘 들어가 있는지 확인, 없으면 8. 번 경로 추가
환경 변수 편집

I Maven 설치

1. chocolatey 에서 maven 검색



2. Maven 3.6.1 버전 명령어 복사



I Maven 설치

3. 명령 프롬프트 관리자 권한 실행 후 명령어 붙여넣기

```
관리자: 명령 프롬프트
Microsoft Windows [Version 10.0.18362.175]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Windows\system32>choco install maven choco install maven
Chocolatey v0.10.15
Installing the following packages:
maven
By installing you accept licenses for the packages.
Progress: Downloading maven 3.6.1.20190624... 100%

maven v3.6.1.20190624 [Approved]
maven package files install completed. Performing other installation steps.
The package maven wants to run 'chocolateyinstall.ps1'.
Note: If you don't run this script, the installation will fail.
Note: To confirm automatically next time, use '-y' or consider:
choco feature enable -n allowGlobalConfirmation
Do you want to run the script?([Y]es/[A]ll - yes to all/[N]o/[P]rint): a

Downloading Maven
  from 'https://archive.apache.org/dist/maven/maven-3/3.6.1/binaries/apache-maven-3.6.1-bin.zip'
Progress: 100% - Completed download of C:\Users\boojongmin\AppData\Local\Temp\chocolatey\maven\3.6.1.20190624\apache-maven-3.6.1-bin.zip (8.76 MB).
Download of apache-maven-3.6.1-bin.zip (8.76 MB) completed.
Hashes match.
Extracting C:\Users\boojongmin\AppData\Local\Temp\chocolatey\maven\3.6.1.20190624\apache-maven-3.6.1-bin.zip to C:\ProgramData\chocolatey\lib\maven\
C:\ProgramData\chocolatey\lib\maven
C:\Users\boojongmin\m2
PATH environment variable does not have %M2_HOME%\bin in it. Adding...
Environment Vars (like PATH) have changed. Close/reopen your shell to
see the changes (or in powershell/cmd.exe just type 'refreshenv').
The install of maven was successful.
  Software installed to 'C:\ProgramData\chocolatey\lib\maven'

Chocolatey installed 1/1 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).

C:\Windows\system32>
```

4.. refreshenv , mvn , mvn -version 입력 후 버전 확인

```
C:\Windows\system32>refreshenv refreshenv
Refreshing environment variables from registry for cmd.exe. Please wait...Finished..

C:\Windows\system32>mvn mvn
[INFO] Scanning for projects...
[INFO]
-----
[INFO] BUILD FAILURE
[INFO]
-----
[INFO] Total time: 0.152 s
[INFO] Finished at: 2019-07-06T15:10:05+09:00
[INFO]
[ERROR] No goals have been specified for this build. You must specify a valid lifecycle phase
or a goal in the format <plugin-prefix>:<goal> or <plugin-group-id>:<plugin-artifact-id>[:<p
lugin-version>]:<goal>. Available lifecycle phases are: validate, initialize, generate-sourc
s, process-sources, generate-resources, process-resources, compile, process-classes, generat
-test-sources, process-test-sources, generate-test-resources, process-test-resources, test-co
mpile, process-test-classes, test, prepare-package, package, pre-integration-test, integratio
n-test, post-integration-test, verify, install, deploy, pre-clean, clean, post-clean, pre-sit
e, site, post-site, site-deploy. -> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read the followi
ng articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/NoGoalsSpecifiedException

C:\Windows\System32>mvn -version mvn -version
Apache Maven 3.6.1 (d66c9c0b3152b2e69ee9bac180bb8fcc8e6af555; 2019-04-05T04:00:29+09:00)
Maven home: C:\ProgramData\chocolatey\lib\maven\apache-maven-3.6.1\bin\..
Java version: 12.0.1, vendor: Oracle Corporation, runtime: C:\Program Files\OpenJDK\jdk-12.0.
1
Default locale: ko_KR, platform encoding: MS949
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"
```