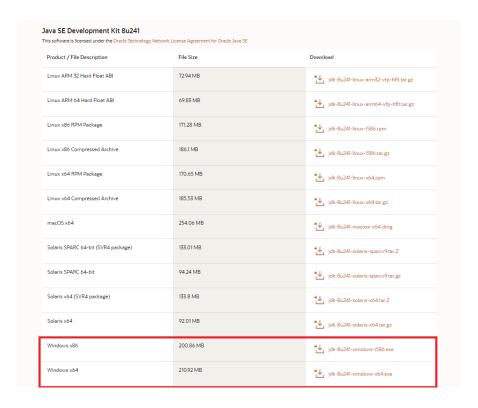
# 프로그래밍기초

Chapter 01. Java Installation

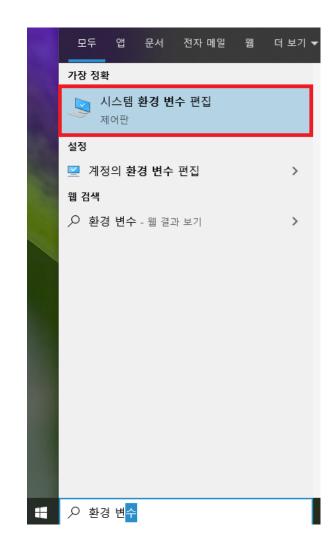
#### **Install JDK**



https://www.oracle.com/java/technologies/javase/javase-jdk8-downloads.html



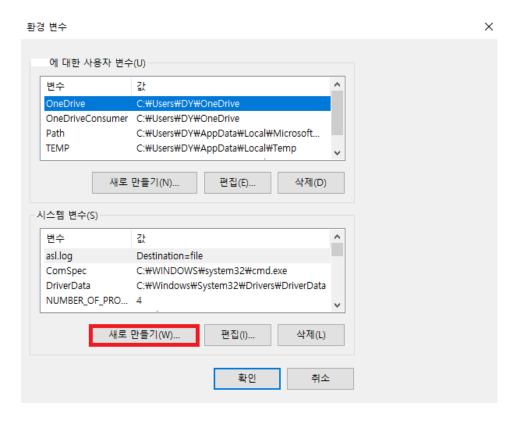
- 윈도우 검색창에 '환경 변수' 검색
- 시스템 환경 변수 편집 클릭





- 환경변수 클릭
- 새로 만들기 클릭





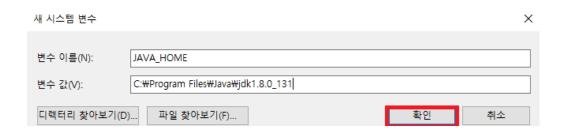


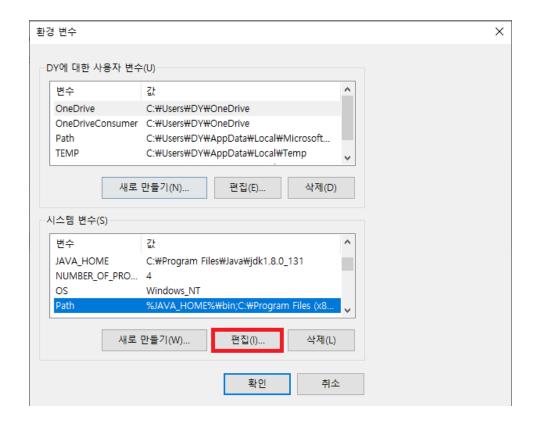
■ 변수 이름: JAVA\_HOME

■ 변수 값: JDK 경로 값

■ JDK 버전은 교안과 다를 수 있음

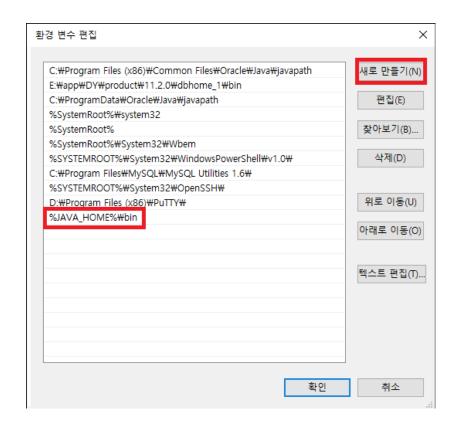
■ 시스템변수 편집 클릭

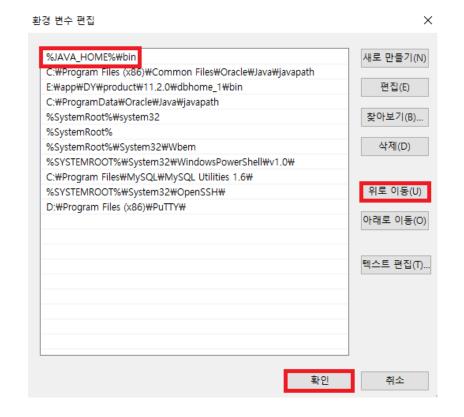






- 새로 만들기 클릭 후 '%JAVA\_HOME%₩bin' 입력
- '%JAVA\_HOME%₩bin'를 최상단에 배치



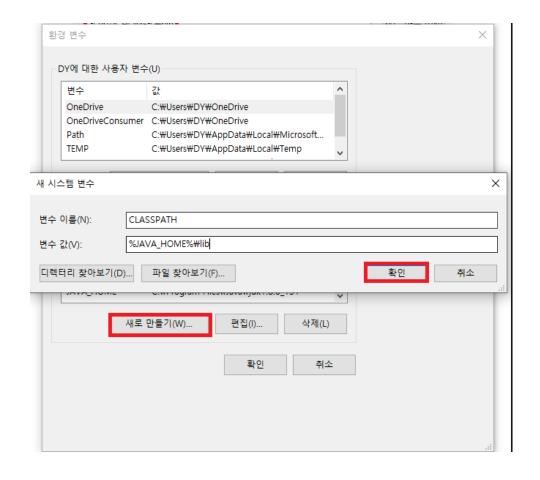




■ 'JAVA\_HOME' 만들듯 새 시스템 변수에

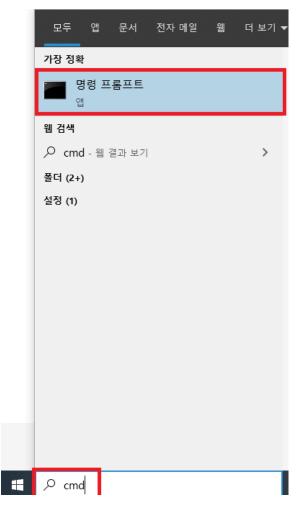
■ 변수 이름: CLASSPATH

■ 변수 값: %JAVA\_HOME%₩lib 입력





■ 윈도우 검색 창에 'cmd' 입력하여 명령 프롬포트 실행





■ 'java' 입력

```
Microsoft Windows [Version 10.0.18362.657]
(c) 2019 Microsoft Corporation. All rights reserved.

C:#Users#DY>java
```

■ 결과 확인



■ 'javac' 입력

■ 결과 확인

```
屆 선택 명령 프롬프트
Microsoft Windows [Version 10.0.18362.657]
(c) 2019 Microsoft Corporation. All rights reserved.
C:₩Users₩DY>javac
```

```
명령 프롬프트
                                                                                                                                                                                                    - □ ×
    crosoft Windows [Version 10.0.18362.657]

    2019 Microsoft Corporation. All rights reserved.

 :#Users#DY>javac
 sage: javac <options> <source files>
here possible options include:
                                                  Generate all debugging info
Generate no debugging info
Generate only some debugging info
  -g:{lines,vars,source}
                                                    Generate no warnings
  -nowarn
                                                   Output messages about what the compiler is doing
Output source locations where deprecated APIs are used
  -deprecation
                                                   Specify where to find user class files and annotation processors
Specify where to find user class files and annotation processors
Specify where to find input source files
  -classpath <path>
  -cp <path>
  -sourcepath <path>
                                                   Override location of bootstrap class files
Override location of installed extensions
  -bootclasspath <path>
  -extdirs <dirs>
  -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 proce
                                                    Specify where to find annotation processors
Generate metadata for reflection on method parameters
   -parameters
                                                  Generate metadata for reflection on method parameters
Specify where to place generated class files
Specify where to place generated source files
Specify where to place generated native header files
Specify whether or not to generate class files for implicitly referenced files
Specify character encoding used by source files
Provide source compatibility with specified release
Generate class files for specific VM version
  -h <directory>
-implicit:{none,class}
   -encoding <encoding>
   -source <release>
-target <release>
```



## **Install IDE(STS)**

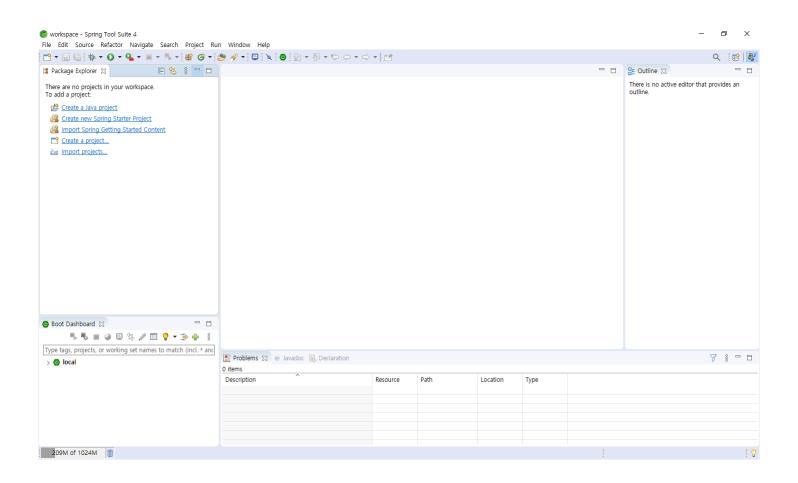
https://spring.io/tools





# STS 실행

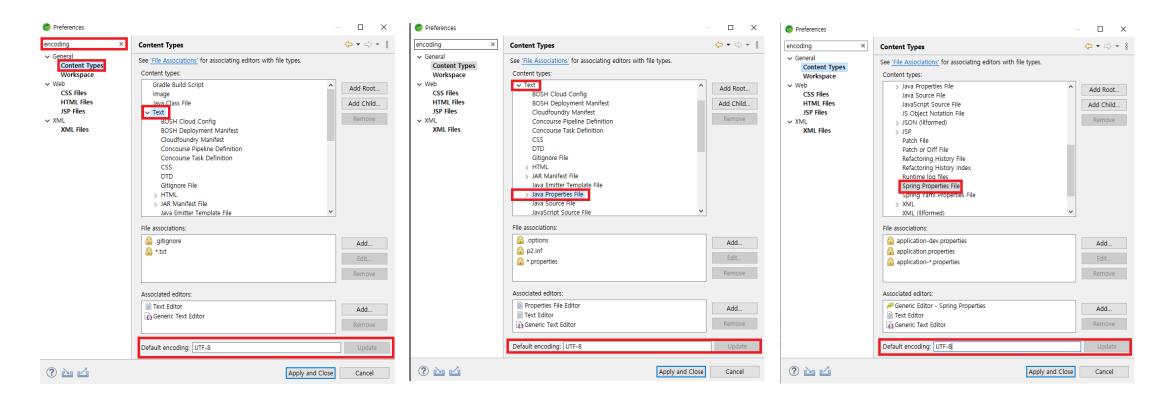
■ STS 실행 화면





# IDE Encoding 세팅

- Window preferences encoding 검색
- Default encoding: 'UTF-8' 입력 후 update





# IDE Encoding 세팅

- Window preferences encoding 검색
- Workspace/CSS Files/HTM Files에 'UTF-8' 적용

