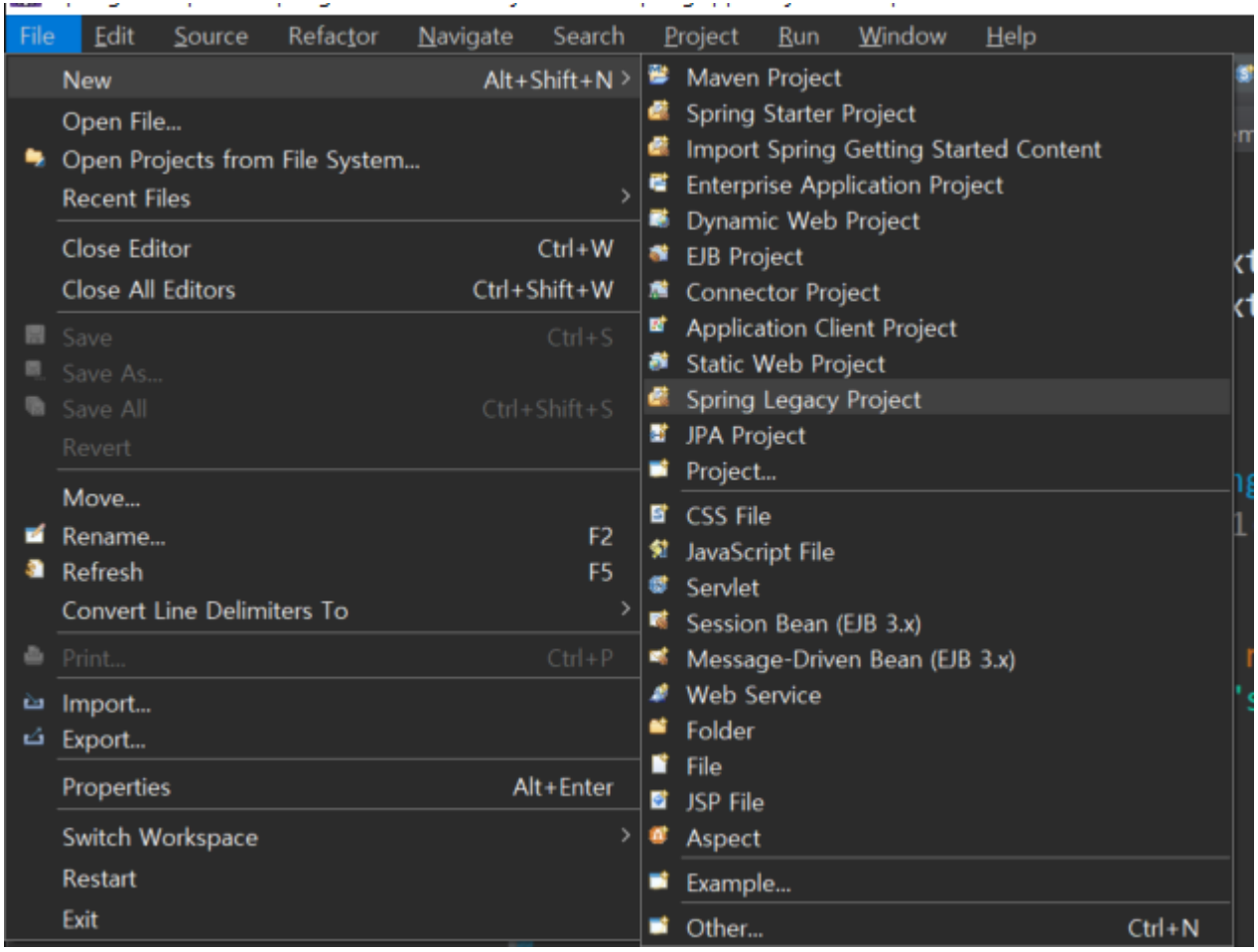
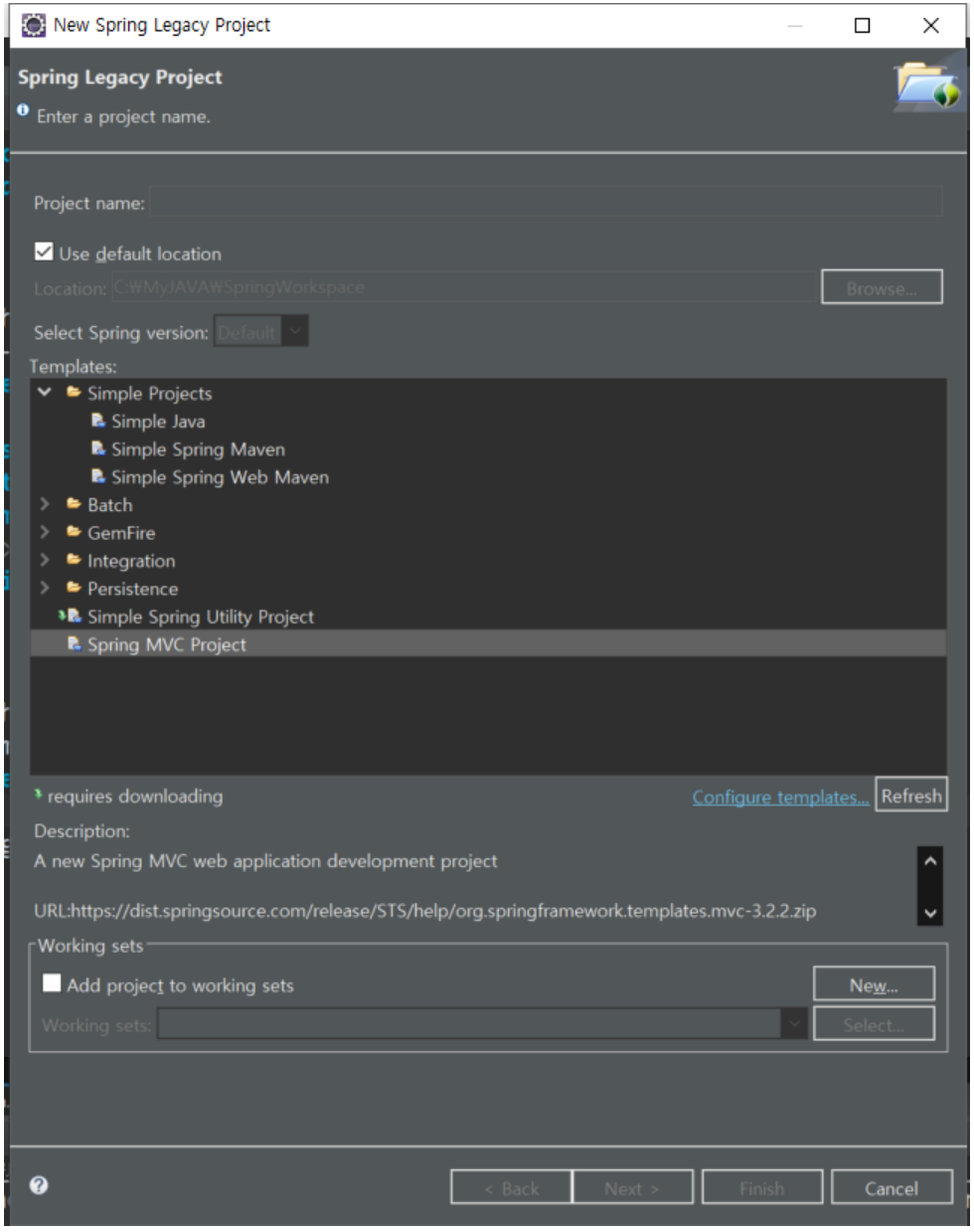

File
Edit
Source
Refactor
Navigate
Search
Project
Run
Window
Help
New Alt+Shift+N
Open File...
Open Projects from File System...
Recent Files
Close Editor Ctrl+W
Close All Editors Ctrl+Shift+W
Save Ctrl+S
Save As...
Save All Ctrl+Shift+S
Revert
Move...
Rename... F2
Refresh F5
Convert Line Delimiters To
Print... Ctrl+P
Import...
Export...
Properties Alt+Enter
Switch Workspace
Restart
Exit
Maven Project
Spring Starter Project
Import Spring Getting Started Content
Enterprise Application Project
Dynamic Web Project
EJB Project
Connector Project
Application Client Project
Static Web Project
Spring Legacy Project
JPA Project
Project...
CSS File
JavaScript File
Servlet
Session Bean (EJB 3.x)
Message-Driven Bean (EJB 3.x)
Web Service
Folder
File
JSP File
Aspect
Example...
Other... Ctrl+N


New Spring Legacy Project
Spring Legacy Project
Enter a project name.
Project name:
Use default location
Location: C:₩MyJAVA₩SpringWorkspace
Browse...
Select Spring version: Default
Templates:
Simple Projects
Simple Java
Simple Spring Maven
Simple Spring Web Maven
Batch
GemFire
Integration
Persistence
Simple Spring Utility Project
Spring MVC Project
requires downloading
Configure templates...
Refresh
Description:
A new Spring MVC web application development project
URL:https://dist.springsource.com/release/STS/help/org.springframework.templates.mvc-3.2.2.zip
Working sets
Add project to working sets
New...
Working sets:
Select...
< Back
Next >
Finish
Cancel

New Spring Legacy Project
Project Settings - Spring MVC Project
Enter a topLevelPackage.
Please specify the top-level package e.g. com.mycompany.myapp*
< Back
Next >
Finish
Cancel

02MVC/pom.xml ×

```
?xml version="1.0" encoding="UTF-8"?>
project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-in
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/maven-v4_0_0.x
    <modelVersion>4.0.0</modelVersion>
    <groupId>com.tis</groupId>
    <artifactId>myshop</artifactId>
    <name>Spring02MVC</name>
    <packaging>war</packaging>
    <version>1.0.0-BUILD-SNAPSHOT</version>
    <properties>
        <java-version>1.6</java-version>
        <org.springframework-version>3.1.1.RELEASE</org.springframework-version>
        <org.aspectj-version>1.6.10</org.aspectj-version>
        <org.slf4j-version>1.6.6</org.slf4j-version>
    </properties>
    <dependencies>
        <!-- Spring -->
        <dependency>
            <groupId>org.springframework</groupId>
            <artifactId>spring-context</artifactId>
            <version>${org.springframework-version}</version>
            <exclusions>
                <!-- Exclude Commons Logging in favor of SLF4j -->
                <exclusion>
                    <groupId>commons-logging</groupId>
                    <artifactId>commons-logging</artifactId>
                 </exclusion>
            </exclusions>
```

```
    <java-version>1.8</java-version>
    <org.springframework-version>5.0.7.RELEASE</org.sp
    <org.aspectj-version>1.9.0</org.aspectj-version>
    <org.slf4j-version>1.6.6</org.slf4j-version>
```

가능한 저장은 자주 하지 말고 마지막에 하자

Dependencies Dependency Hierarchy Effective POM pom.xml

Console ×

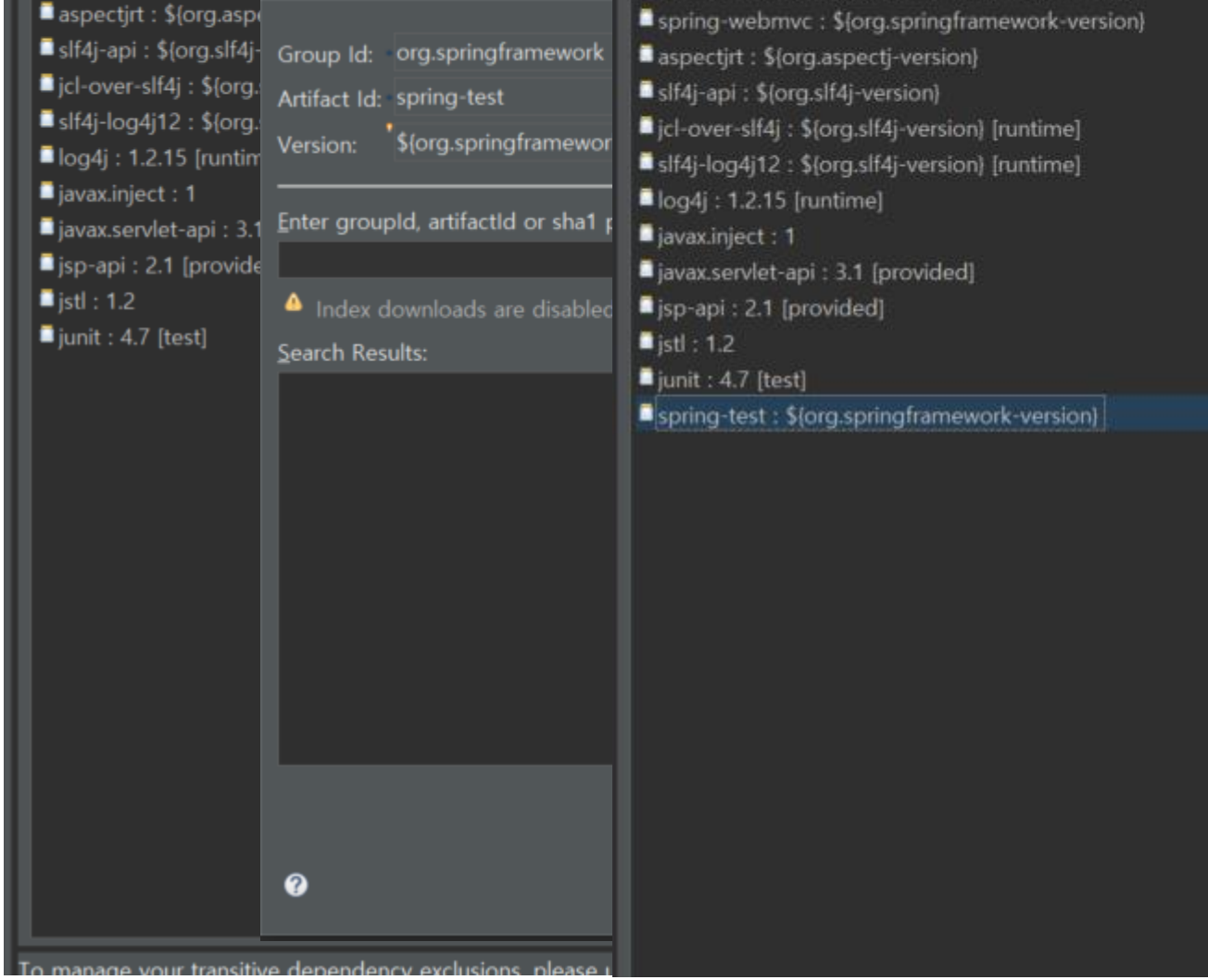
ed> SpringAppTest (7) [Java Application] C:₩Program Files₩Java₩jdk1.8.0_291₩bin₩javaw.exe (2021. 8. 31. 오전 10:19:44 – 오전 10:19:58)

*Spring02MVC/pom.xml

```
85
86          <!-- @Inject -->
87          <dependency>
88              <groupId>javax.inject</groupId>
89              <artifactId>javax.inject</artifactId>
90              <version>1</version>
91          </dependency>
92
93          <!-- Servlet version 3.1 modify -->
94          <dependency>
95              <groupId>javax.servlet</groupId>
96              <artifactId>servlet-api</artifactId>
97              <version>2.5</version>
98              <scope>provided</scope>
99          </dependency>
100         <dependency>
101             <groupId>javax.servlet.jsp</groupId>
102             <artifactId>jsp-api</artifactId>
103             <version>2.1</version>
104             <scope>provided</scope>
105         </dependency>
106         <dependency>
107             <groupId>javax.servlet</groupId>
108             <artifactId>jstl</artifactId>
109             <version>1.2</version>
110         </dependency>
111
112         <!-- Test -->
```

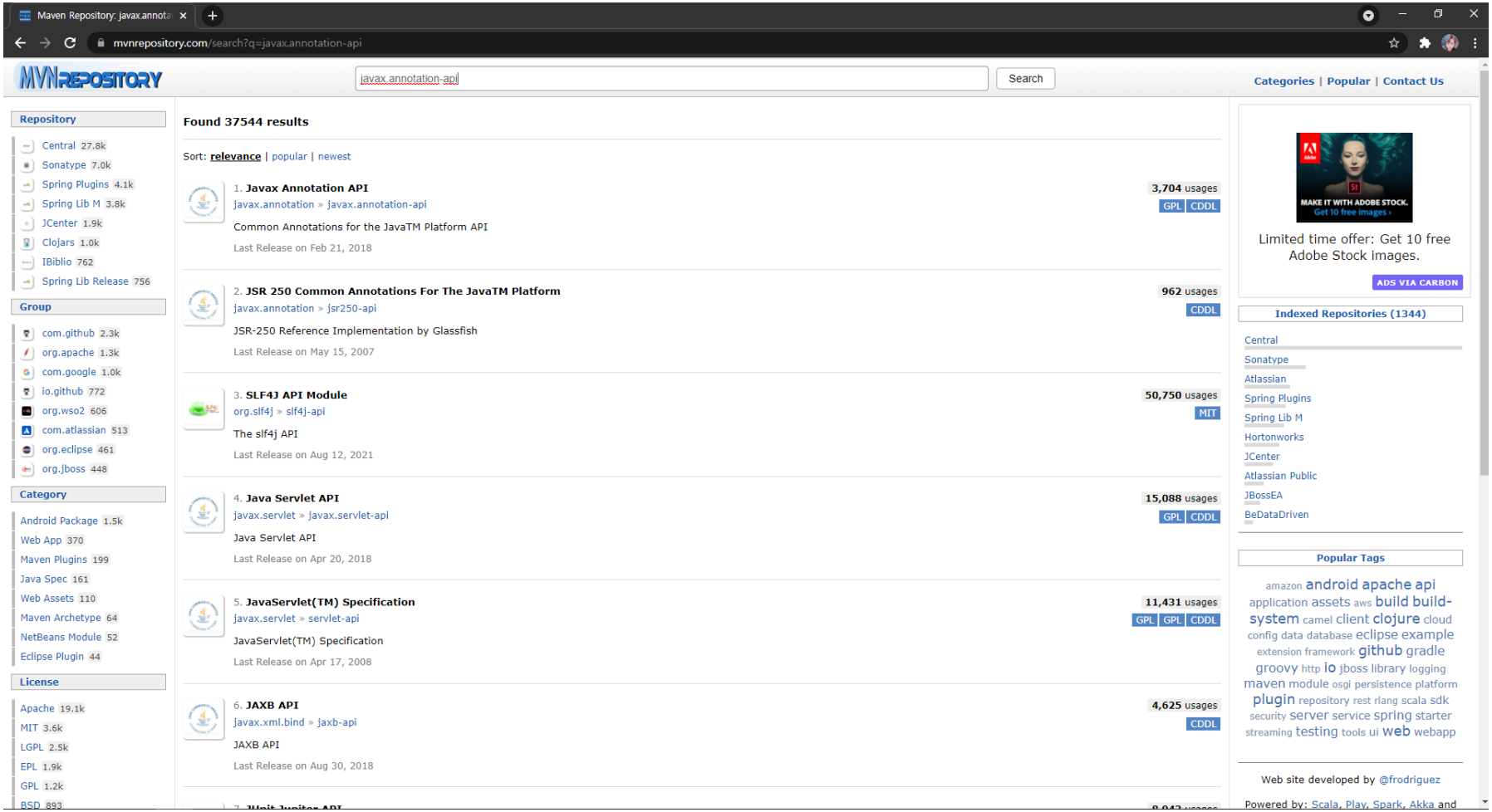
```
<dependency>
    <groupId>javax.servlet</groupId>
    <artifactId>javax.servlet-api</artifactId>
    <version>3.1.0</version>
    <scope>provided</scope>
</dependency>
```

```
<!-- Test -->
<dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.7</version>
    <scope>test</scope>
</dependency>

<!-- Add My Module === -->


/dependencies>
build>
  <plugins>
    <plugin>
      <artifactId>maven-eclipse-plugin</artifactId>
      <version>2.9</version>
      <configuration>
        <additionalProjectnatures>
          <projectnature>org.springframework.ide.eclipse.core.springnature</projectnatur
        </additionalProjectnatures>
```


aspectjrt : ${org.aspe
slf4j-api : ${org.slf4j-
jcl-over-slf4j : ${org.
slf4j-log4j12 : ${org.
log4j : 1.2.15 [runtim
javax.inject : 1
javax.servlet-api : 3.1
jsp-api : 2.1 [provide
jstl : 1.2
junit : 4.7 [test]
Group Id: org.springframework
Artifact Id: spring-test
Version: ${org.springframewor
Enter groupId, artifactId or sha1
Index downloads are disabled
Search Results:
To manage your transitive dependency exclusions, please
spring-webmvc : ${org.springframework-version}
aspectjrt : ${org.aspectj-version}
slf4j-api : ${org.slf4j-version}
jcl-over-slf4j : ${org.slf4j-version} [runtime]
slf4j-log4j12 : ${org.slf4j-version} [runtime]
log4j : 1.2.15 [runtime]
javax.inject : 1
javax.servlet-api : 3.1 [provided]
jsp-api : 2.1 [provided]
jstl : 1.2
junit : 4.7 [test]
spring-test : ${org.springframework-version}

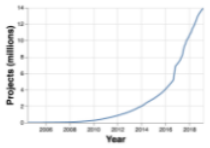
```
114             <groupId>junit</groupId>
115             <artifactId>junit</artifactId>
116             <version>4.7</version>
117             <scope>test</scope>
118         </dependency>
119
120         <!-- Add My Module === -->
121
122         <dependency>
123             <groupId>org.springframework</groupId>
124             <artifactId>spring-test</artifactId>
125             <version>${org.springframework-version}</version>
126         </dependency>
127
128     </dependencies>
129     <build>
130         <plugins>
131             <plugin>
132                 <artifactId>maven-eclipse-plugin</artifactId>
133                 <version>2.9</version>
134                 <configuration>
135                     <additionalProjectnatures>
136                         <projectnature>org.springframework.ide.eclipse.core.springnature</p
137                     </additionalProjectnatures>
138                     <additionalBuildcommands>
139                         <buildcommand>org.springframework.ide.eclipse.core.springbuilder</b
140                     </additionalBuildcommands>
141                     <downloadSources>true</downloadSources>
```

밑으로 dependency
계속 추가



https://mvnrepository.com/

Indexed Artifacts (23.4M)



Popular Categories

- Aspect Oriented
- Actor Frameworks
- Application Metrics
- Build Tools
- Bytecode Libraries
- Command Line Parsers
- Cache Implementations
- Cloud Computing
- Code Analyzers
- Collections
- Configuration Libraries
- Core Utilities
- Date and Time Utilities
- Dependency Injection
- Embedded SQL Databases
- HTML Parsers
- HTTP Clients
- I/O Utilities
- JDBC Extensions
- JDBC Pools
- JPA Implementations
- JSON Libraries
- JVM Languages
- Logging Frameworks
- Logging Bridges
- Mail Clients
- Maven Plugins
- Mocking

Home » javax.annotation » javax.annotation-api

Javax Annotation API

Common Annotations for the JavaTM Platform API

License	CDDL GPL 2.0
Categories	Java Specifications
Tags	standard javax annotations api specs
Used By	3,704 artifacts

Central (8) | Redhat GA (3)

	Version	Repository	Usages	Date
1.3.x	1.3.2	Central	2,317	Feb, 2018
	1.3.1	Central	338	Sep, 2017
	1.3	Central	180	Sep, 2016
1.2.x	1.2	Central	748	Apr, 2013
	1.2-b04	Central	16	Mar, 2013
	1.2-b03	Central	15	Feb, 2013
	1.2-b02	Central	16	Feb, 2013
	1.2-b01	Central	7	Jan, 2013

Maven Repository: javax.annota

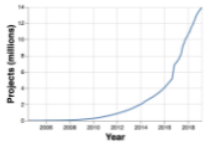
mvnrepository.com/artifact/javax.annotation/javax.annotation-api/1.3.2

MVNREPOSITORY

Search for groups, artifacts, categories

Search

Indexed Artifacts (23.4M)



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Home » javax.annotation » javax.annotation-api » 1.3.2

Javax Annotation API » 1.3.2

Common Annotations for the JavaTM Platform API

License	CDDL GPL 2.0
Categories	Java Specifications
Organization	GlassFish Community
HomePage	http://jcp.org/en/jsr/detail?id=250
Date	(Feb 21, 2018)
Files	pom (14 KB) jar (25 KB) View All
Repositories	Central Spring Lib Release
Used By	3,704 artifacts

Maven | Gradle | Gradle (Short) | Gradle (Kotlin) | SBT | Ivy | Grape | Leiningen | Buildr

```
<!-- https://mvnrepository.com/artifact/javax.annotation/javax.annotation-api -->
<dependency>
    <groupId>javax.annotation</groupId>
    <artifactId>javax.annotation-api</artifactId>
    <version>1.3.2</version>
</dependency>
```

소스 복사 & 이클립스에 붙이기

Include comment with link to declaration

Copied to clipboard!

GroupDocs.Signature
Java API to manage digital signatures
GROUPDOCS

Compile Dependencies (0)

Category/License	Group / Artifact	Version	Updates

Licenses

License	URL
CDDL + GPLv2 with classpath exception	https://github.com/javaee/javax.annotation/blob/master/LICEN ...

MVNREPOSITORY

lombok

Search

Repository

- Central 86
- Sonatype 31
- Spring Lib M 16
- Spring Plugins 15
- Gradle Plugins 8
- IBiblio 4
- ImageJ Public 4
- JCenter 4

Group

- com.github 12
- de.plushnikov 10
- org.projectlombok 8

Found 108 results

Sort: **relevance** | popular | newest

1. **Project Lombok** — **13,091** usages — MIT
   org.projectlombok » lombok
   Spice up your java: Automatic Resource Management, automatic generation of getters, setters, equals, hashCode and toString, and more!
   Last Release on Apr 2, 2021

2. **Lombok Maven Plugin** — **19** usages — MIT
   org.projectlombok » lombok-maven-plugin
   Maven Plugin for Project Lombok
   Last Release on Apr 2, 2021

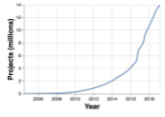
MVNREPOSITORY

Search for groups, artifacts, categories

Search

Categories | Popular | Contact Us

Indexed Artifacts (23.4M)



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- JSON Libraries
- JVM Languages
- Logging Frameworks
- Logging Bridges
- Mail Clients
- Maven Plugins
- Mocking

Home » org.projectlombok » lombok

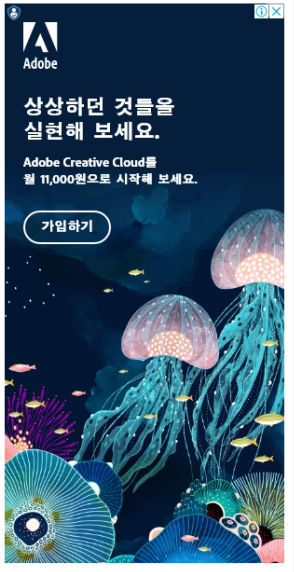
Project Lombok

Spice up your java: Automatic Resource Management, automatic generation of getters, setters, equals, hashCode and toString, and more!

License	MIT
Used By	13,091 artifacts

Central (46) | Lombok (7) | EBIPublic (2) | ICM (5)

	Version	Repository	Usages	Date
1.18.x	1.18.20	Central	1,413	Apr, 2021
	1.18.18	Central	691	Jan, 2021
	1.18.16	Central	1,304	Oct, 2020
	1.18.14	Central	190	Oct, 2020
	1.18.12	Central	2,553	Feb, 2020
	1.18.10	Central	1,504	Sep, 2019
	1.18.8	Central	1,554	May, 2019
	1.18.6	Central	1,075	Feb, 2019
	1.18.4	Central	983	Oct, 2018
	1.18.2	Central	877	Jul, 2018
	1.18.0	Central	385	Jun, 2018
1.16.x	1.16.22	Central	438	May, 2018
	1.16.20	Central	1,028	Jan, 2018
	1.16.18	Central	972	Jul, 2017
	1.16.16	Central	569	Mar, 2017
	1.16.14	Central	254	Feb, 2017
	1.16.12	Central	267	Dec, 2016
	1.16.10	Central	500	Jul, 2016
	1.16.8	Central	496	Mar, 2016
	1.16.6	Central	503	Aug, 2015
	1.16.4	Central	339	Apr, 2015



Indexed Repositories (1344)

```xml
<!-- Add My Module === -->

<dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-test</artifactId>
    <version>${org.springframework-version}</version>
</dependency>

<!-- https://mvnrepository.com/artifact/javax.annotation/javax.annotation-api -->
<dependency>
    <groupId>javax.annotation</groupId>
    <artifactId>javax.annotation-api</artifactId>
    <version>1.3.2</version>
</dependency>

<!-- https://mvnrepository.com/artifact/org.projectlombok/lombok -->
<dependency>
    <groupId>org.projectlombok</groupId>
    <artifactId>lombok</artifactId>
    <version>1.18.12</version>
    <scope>provided</scope>
</dependency>
```

소스 복사 & 이클립스에 붙이기

mybatis Search

Found 1228 results

Sort: **relevance** | popular | newest

1. **MyBatis**

1,114 usages

org.mybatis » mybatis

Apache

The MyBatis SQL mapper framework makes it easier to use a relational database with object-oriented applications. MyBatis couples objects with stored procedures or SQL statements using a XML descriptor or annotations. Simplicity is the biggest advantage of the MyBatis data mapper over object relational mapping tools.

3.5.x	3.5.7	Central	71	Apr, 2021
	3.5.6	Central	113	Oct, 2020
	3.5.5	Central	89	Jun, 2020
	3.5.4	Central	70	Feb, 2020
	3.5.3	Central	108	Oct, 2019
	3.5.2	Central	61	Jul, 2019
	3.5.1	Central	70	Apr, 2019
	3.5.0	Central	55	Jan, 2019

2. **MyBatis Spring**

510 usages

org.mybatis » mybatis-spring

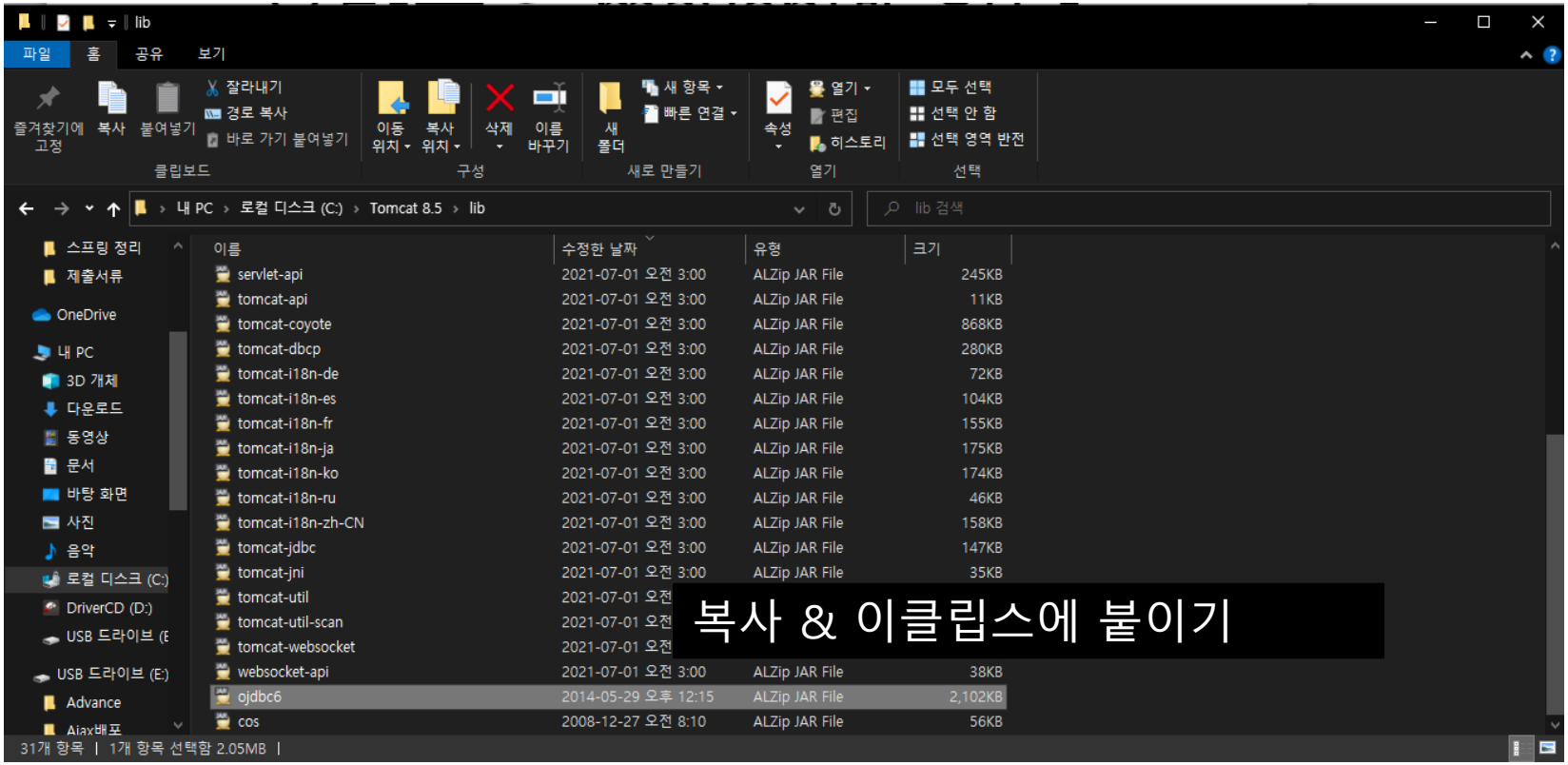
Apache

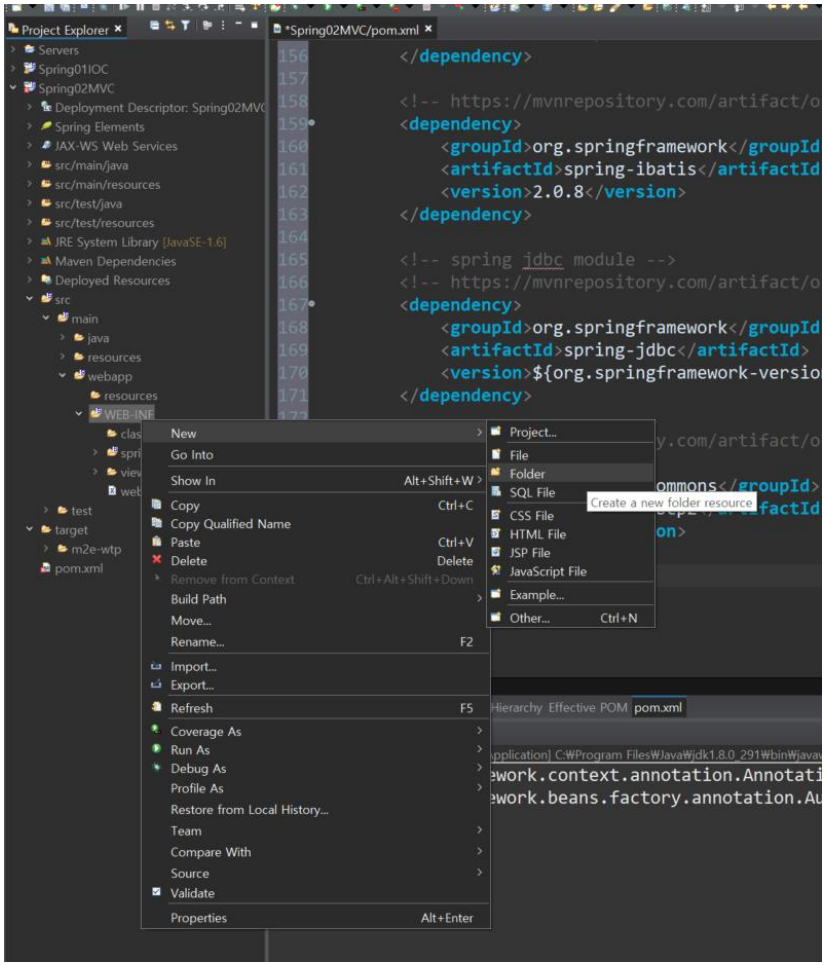
An easy-to-use Spring bridge for MyBatis sql mapping framework.

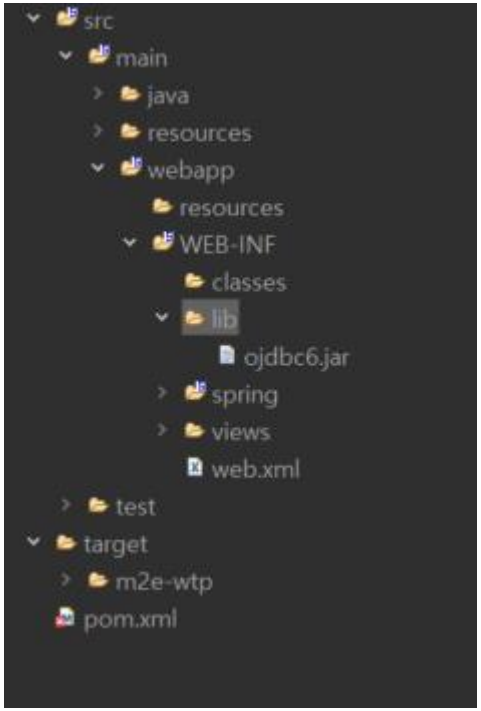
Last Release on Nov 14, 2020

1.3.x	1.3.3	Central	13	Aug, 2019
	1.3.2	Central	94	Mar, 2018
	1.3.1	Central	94	Jan, 2017
	1.3.0	Central	69	Apr, 2016

오라클은 maven에 없다.



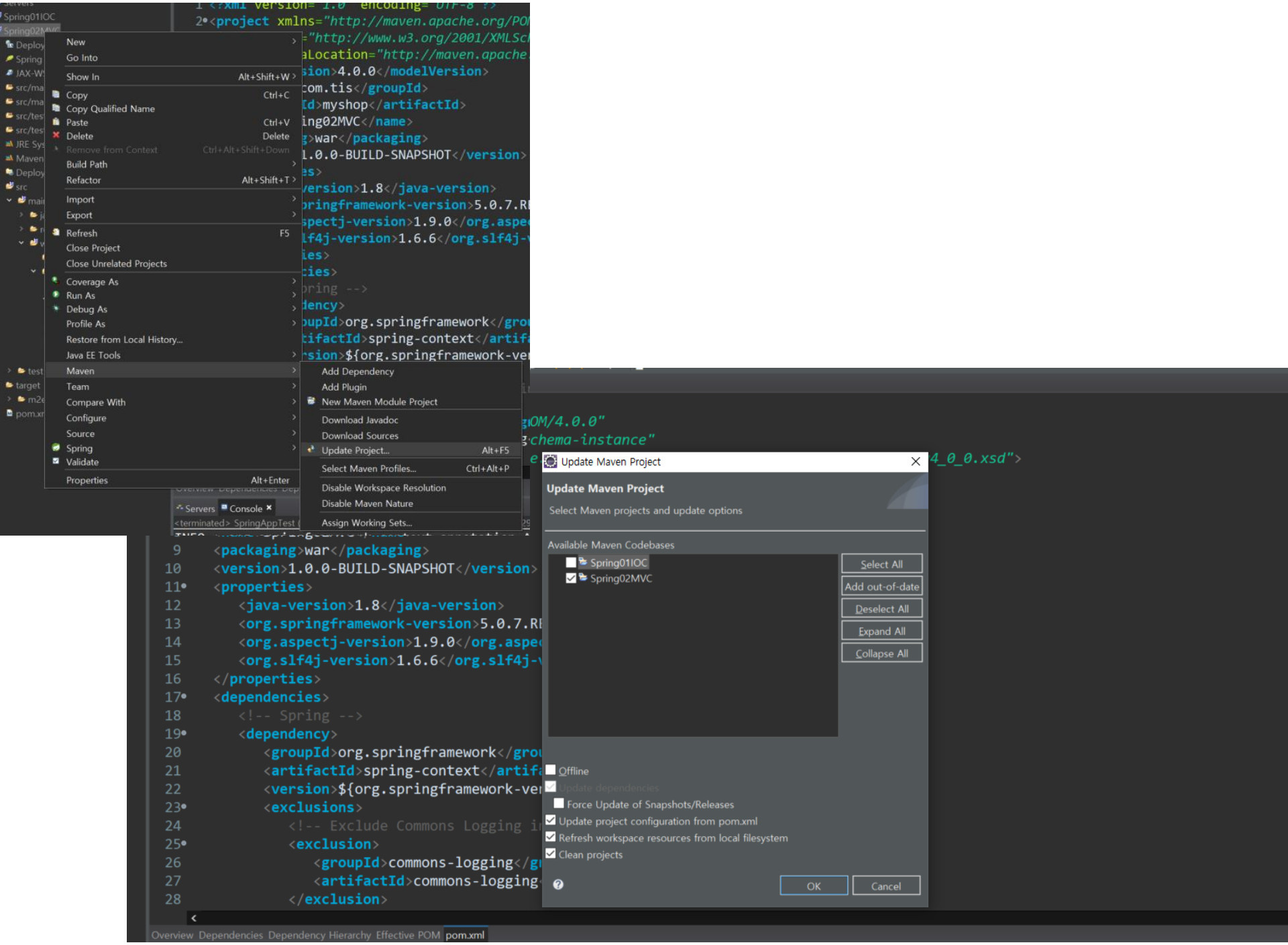


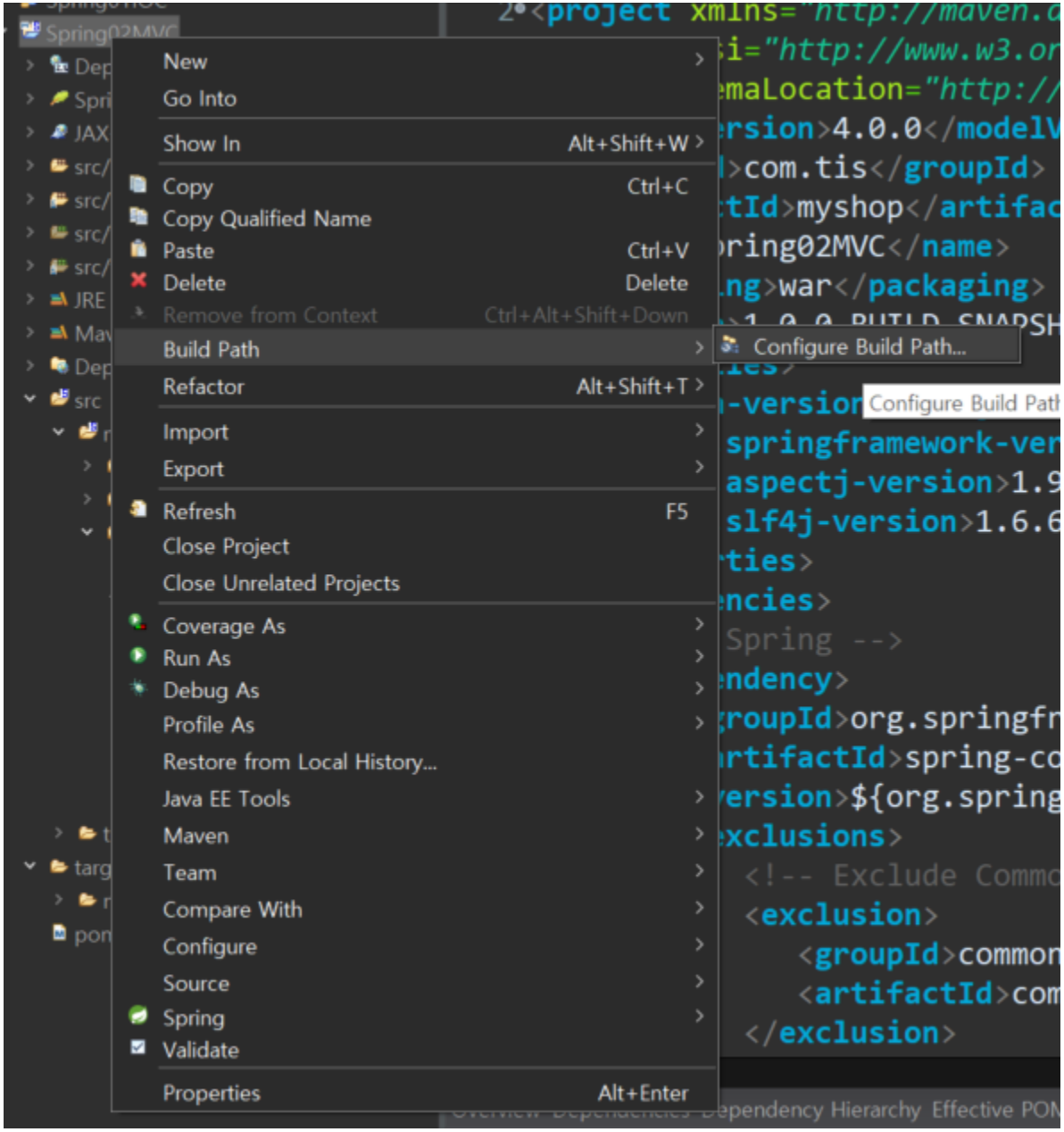


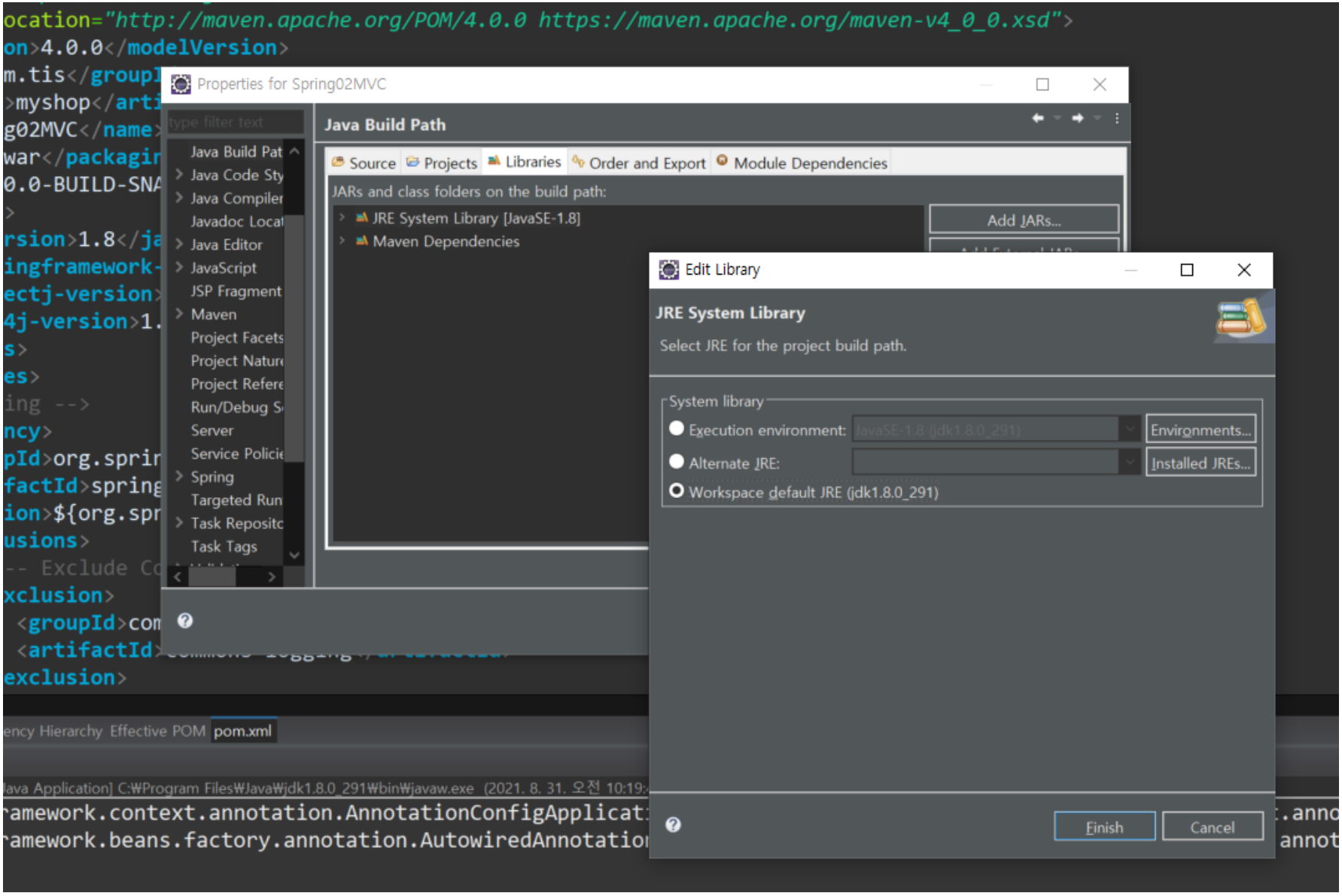

```
<!-- Oracle Driver(maven 중앙 저장소에 없음) 로컬에 가지고 있는 ojdbc6.jar로 설정하자 -->
<dependency>
    <groupId>com.oracle</groupId>
    <artifactId>ojdbc6</artifactId>
    <version>11.2.0.3</version>
    <scope>system</scope>
    <systemPath>${basedir}/src/main/webapp/WEB-INF/lib/ojdbc6.jar</systemPath>
</dependency>
```

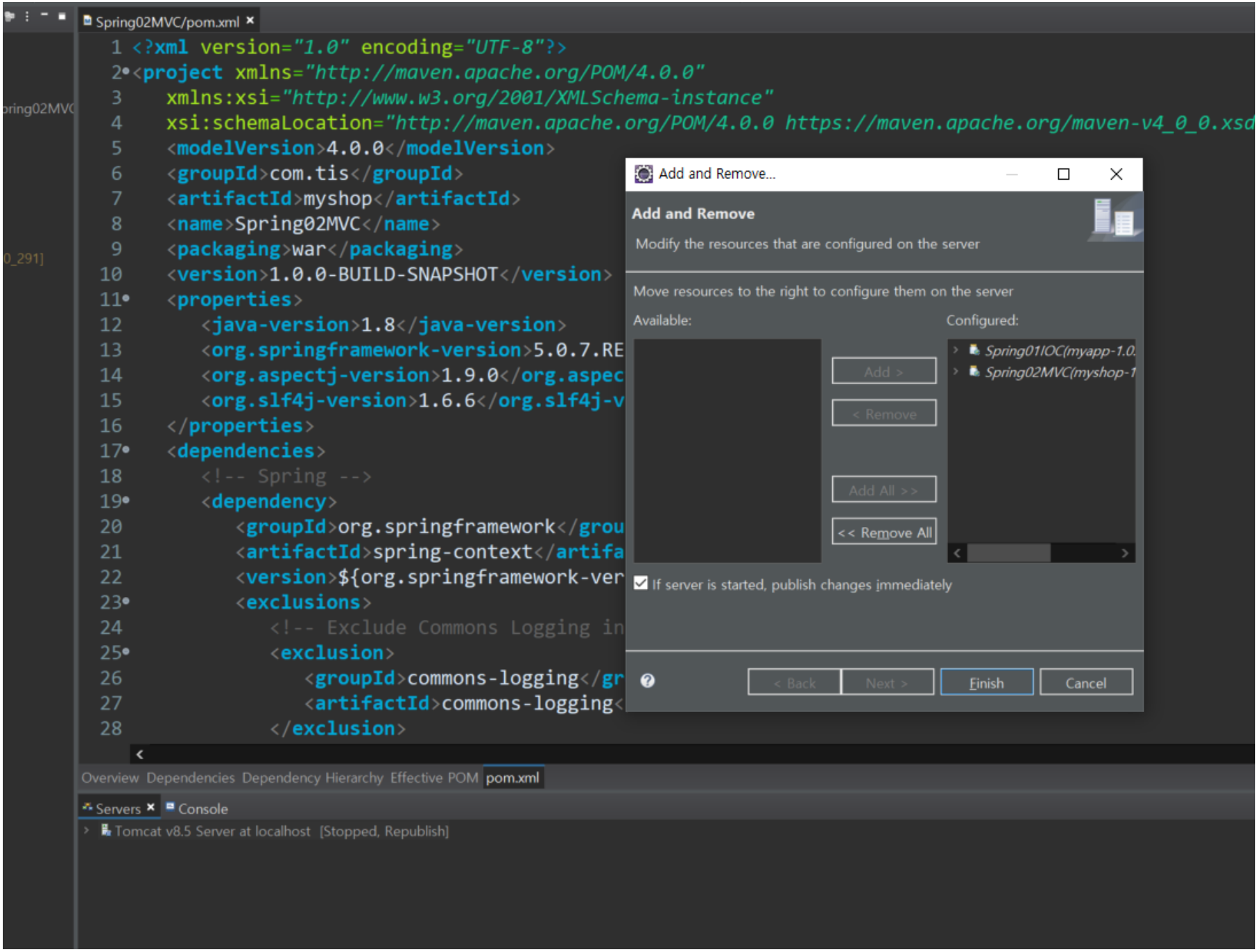
```
</plugin>
<plugin>
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-compiler-plugin</artifactId>
    <version>2.5.1</version>
    <configuration>
        <source>1.6</source>
        <target>1.6</target>
        <compilerArgument>-Xlint:all</compilerArgument>
        <showWarnings>true</showWarnings>
        <showDeprecation>true</showDeprecation>
    </configuration>
</plugin>
```

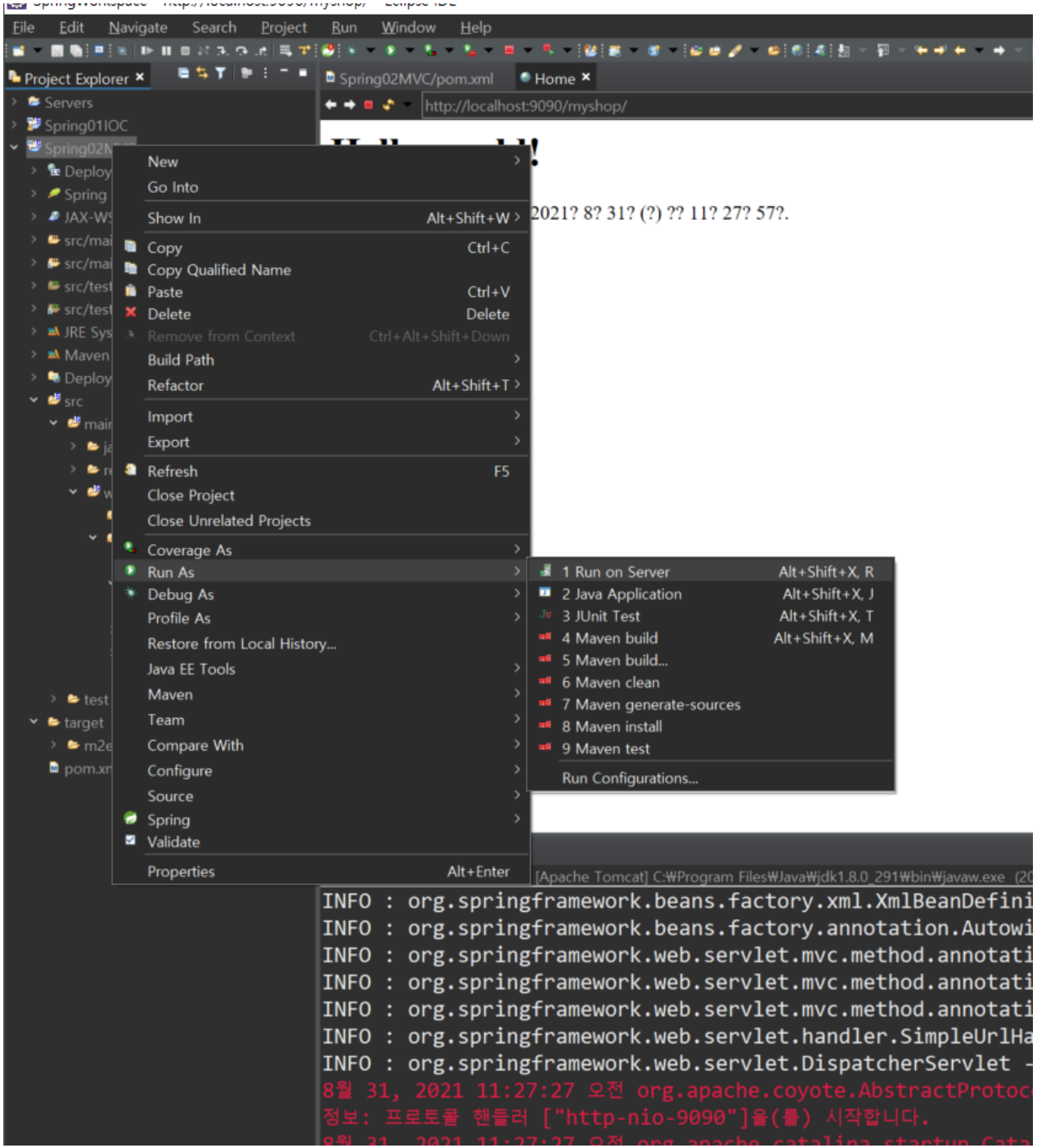
```
<plugin>
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-compiler-plugin</artifactId>
    <version>2.5.1</version>
    <configuration>
        <source>1.8</source>
        <target>1.8</target>
        <compilerArgument>-Xlint:all</compilerArgument>
        <showWarnings>true</showWarnings>
        <showDeprecation>true</showDeprecation>
    </configuration>
</plugin>
```

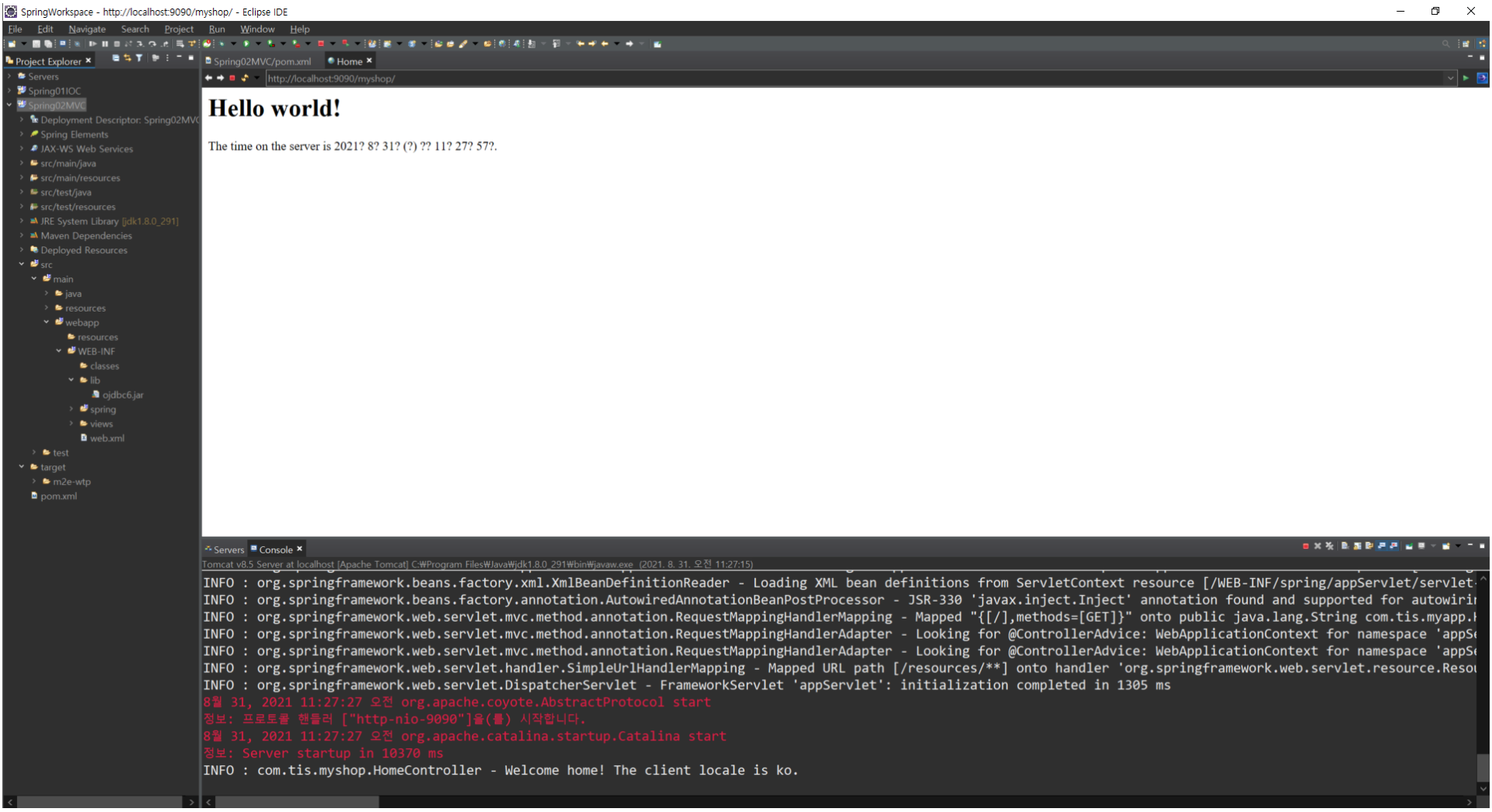

Spring01IOC
Spring02MVC
New
Go Into
Show In Alt+Shift+W
Copy Ctrl+C
Copy Qualified Name
Paste Ctrl+V
Delete Delete
Remove from Context Ctrl+Alt+Shift+Down
Build Path
Refactor Alt+Shift+T
Import
Export
Refresh F5
Close Project
Close Unrelated Projects
Coverage As
Run As
Debug As
Profile As
Restore from Local History...
Java EE Tools
Maven
Team
Compare With
Configure
Source
Spring
Validate
Properties Alt+Enter
Add Dependency
Add Plugin
New Maven Module Project
Download Javadoc
Download Sources
Update Project... Alt+F5
Select Maven Profiles... Ctrl+Alt+P
Disable Workspace Resolution
Disable Maven Nature
Assign Working Sets...
Servers
Console
<terminated> SpringAppTest
<packaging>war</packaging>
<version>1.0.0-BUILD-SNAPSHOT</version>
<properties>
<java-version>1.8</java-version>
<org.springframework-version>5.0.7.RE
<org.aspectj-version>1.9.0</org.aspec
<org.slf4j-version>1.6.6</org.slf4j-v
</properties>
<dependencies>
<!-- Spring -->
<dependency>
<groupId>org.springframework</grou
<artifactId>spring-context</artifa
<version>${org.springframework-ver
<exclusions>
<!-- Exclude Commons Logging in
<exclusion>
<groupId>commons-logging</gr
<artifactId>commons-logging
</exclusion>
Update Maven Project
Update Maven Project
Select Maven projects and update options
Available Maven Codebases
Spring01IOC
Spring02MVC
Select All
Add out-of-date
Deselect All
Expand All
Collapse All
Offline
Update dependencies
Force Update of Snapshots/Releases
Update project configuration from pom.xml
Refresh workspace resources from local filesystem
Clean projects
OK
Cancel
Overview Dependencies Dependency Hierarchy Effective POM pom.xml


New
Go Into
Show In Alt+Shift+W
Copy Ctrl+C
Copy Qualified Name
Paste Ctrl+V
Delete Delete
Remove from Context Ctrl+Alt+Shift+Down
Build Path
Refactor Alt+Shift+T
Import
Export
Refresh F5
Close Project
Close Unrelated Projects
Coverage As
Run As
Debug As
Profile As
Restore from Local History...
Java EE Tools
Maven
Team
Compare With
Configure
Source
Spring
Validate
Properties Alt+Enter
Configure Build Path...
Configure Build Path
<project xmlns="http://maven.a
i="http://www.w3.or
maLocation="http://
rsion>4.0.0</modelV
>com.tis</groupId>
tId>myshop</artifac
ring02MVC</name>
ng>war</packaging>
springframework-ver
aspectj-version>1.9
slf4j-version>1.6.6
ties>
ncies>
Spring -->
ndency>
roupId>org.springfr
rtifactId>spring-co
ersion>${org.spring
xclusions>
<!-- Exclude Commo
<exclusion>
<groupId>common
<artifactId>com
</exclusion>
Dependency Hierarchy Effective PON

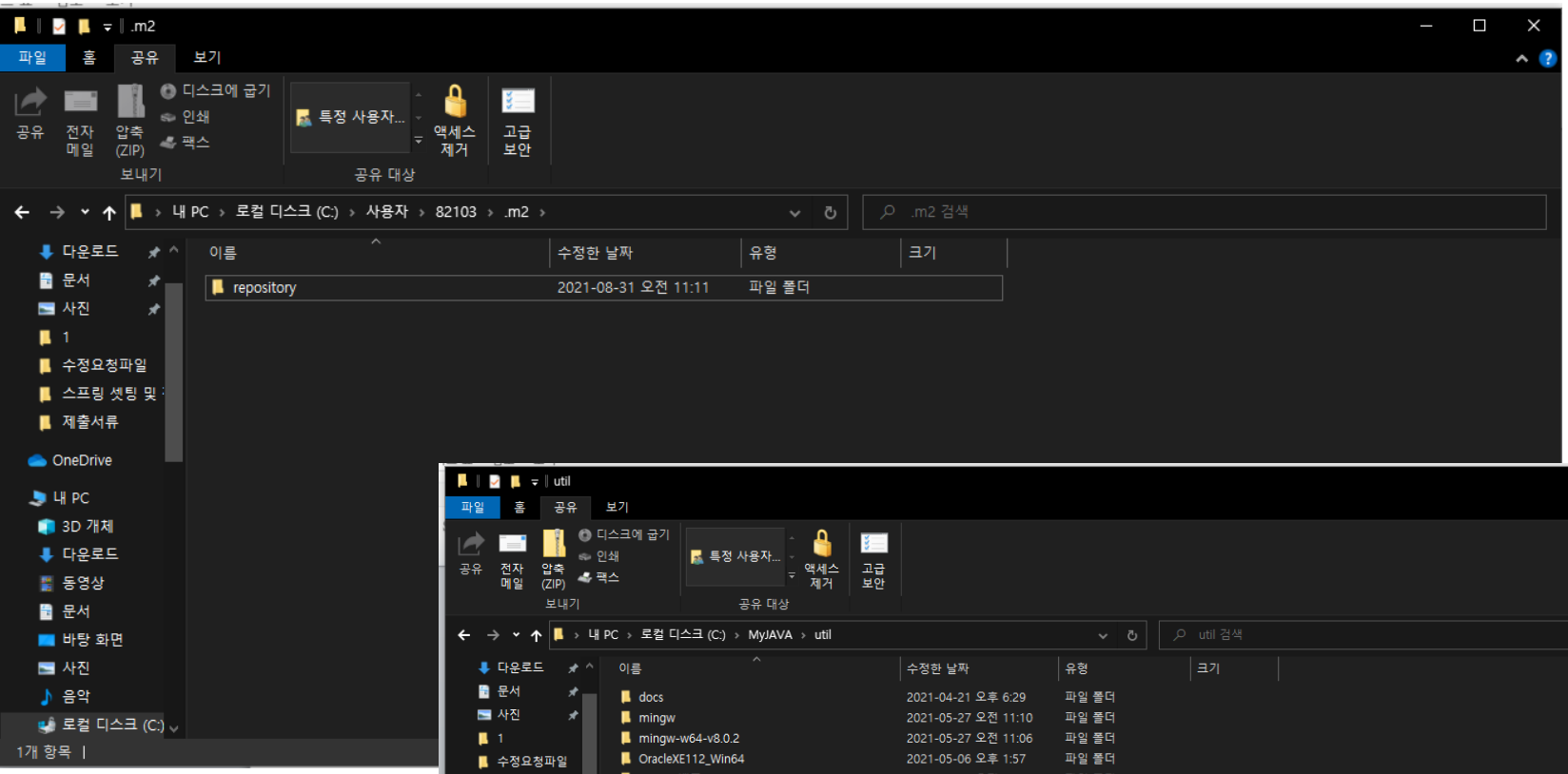

Properties for Spring02MVC
Java Build Path
Source
Projects
Libraries
Order and Export
Module Dependencies
JARs and class folders on the build path:
JRE System Library [JavaSE-1.8]
Maven Dependencies
Add JARs...
Edit Library
JRE System Library
Select JRE for the project build path.
System library
Execution environment:
Alternate JRE:
Workspace default JRE (jdk1.8.0_291)
Environments...
Installed JREs...
Finish
Cancel
pom.xml

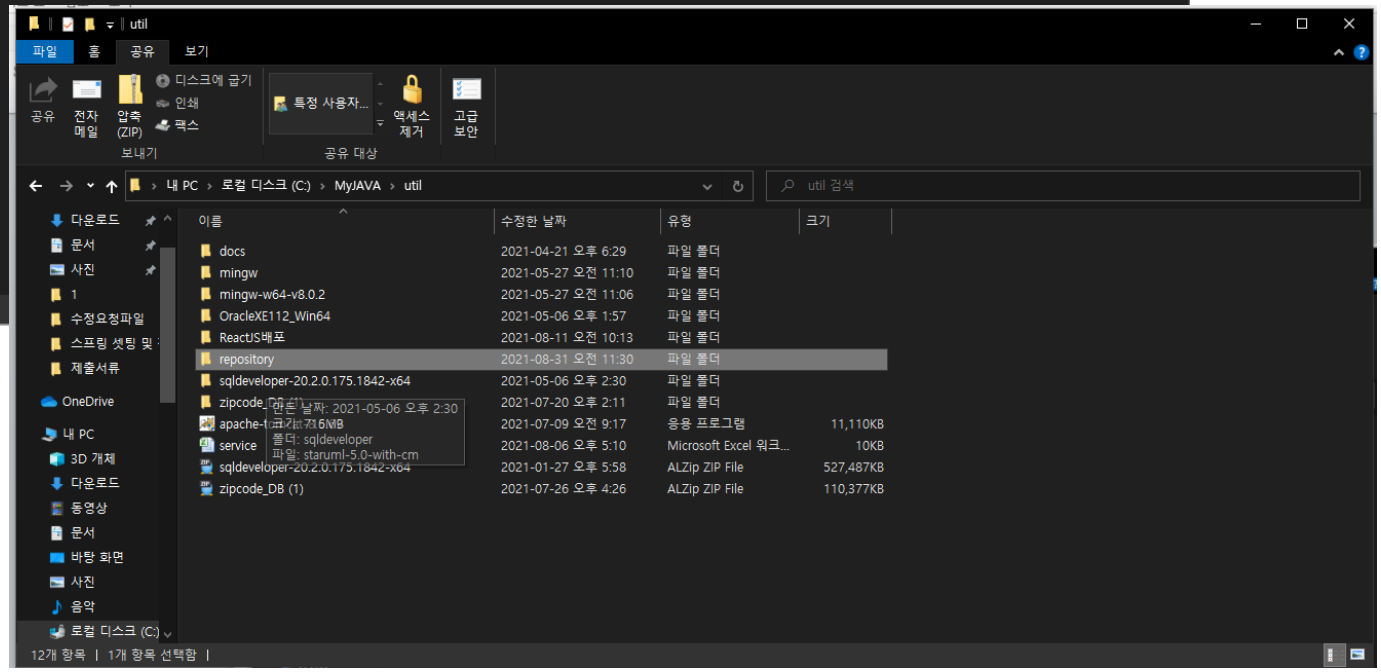

Spring02MVC/pom.xml
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/maven-v4_0_0.xsd
<modelVersion>4.0.0</modelVersion>
<groupId>com.tis</groupId>
<artifactId>myshop</artifactId>
<name>Spring02MVC</name>
<packaging>war</packaging>
<version>1.0.0-BUILD-SNAPSHOT</version>
<properties>
<java-version>1.8</java-version>
<org.springframework-version>5.0.7.RE
<org.aspectj-version>1.9.0</org.aspec
<org.slf4j-version>1.6.6</org.slf4j-v
</properties>
<dependencies>
<!-- Spring -->
<dependency>
<groupId>org.springframework</grou
<artifactId>spring-context</artifa
<version>${org.springframework-ver
<exclusions>
<!-- Exclude Commons Logging in
<exclusion>
<groupId>commons-logging</gr
<artifactId>commons-logging<
</exclusion>
Add and Remove...
Add and Remove
Modify the resources that are configured on the server
Move resources to the right to configure them on the server
Available:
Configured:
Spring01IOC(myapp-1.0.
Spring02MVC(myshop-1
Add >
< Remove
Add All >>
<< Remove All
If server is started, publish changes immediately
< Back
Next >
Finish
Cancel
Overview
Dependencies
Dependency Hierarchy
Effective POM
pom.xml
Servers
Console
Tomcat v8.5 Server at localhost [Stopped, Republish]


File Edit Navigate Search Project Run Window Help
Project Explorer
Servers
Spring01IOC
Spring02MVC/pom.xml
Home
http://localhost:9090/myshop/
2021? 8? 31? (?) ?? 11? 27? 57?.
New
Go Into
Show In Alt+Shift+W
Copy Ctrl+C
Copy Qualified Name
Paste Ctrl+V
Delete Delete
Remove from Context Ctrl+Alt+Shift+Down
Build Path
Refactor Alt+Shift+T
Import
Export
Refresh F5
Close Project
Close Unrelated Projects
Coverage As
Run As
Debug As
Profile As
Restore from Local History...
Java EE Tools
Maven
Team
Compare With
Configure
Source
Spring
Validate
Properties Alt+Enter
1 Run on Server Alt+Shift+X, R
2 Java Application Alt+Shift+X, J
3 JUnit Test Alt+Shift+X, T
4 Maven build Alt+Shift+X, M
5 Maven build...
6 Maven clean
7 Maven generate-sources
8 Maven install
9 Maven test
Run Configurations...
[Apache Tomcat] C:₩Program Files₩Java₩jdk1.8.0_291₩bin₩javaw.exe
INFO : org.springframework.beans.factory.xml.XmlBeanDefini
INFO : org.springframework.beans.factory.annotation.Autowi
INFO : org.springframework.web.servlet.mvc.method.annotati
INFO : org.springframework.web.servlet.mvc.method.annotati
INFO : org.springframework.web.servlet.mvc.method.annotati
INFO : org.springframework.web.servlet.handler.SimpleUrlHa
INFO : org.springframework.web.servlet.DispatcherServlet -
8월 31, 2021 11:27:27 오전 org.apache.coyote.AbstractProtoc
정보: 프로토콜 핸들러 ["http-nio-9090"]을(를) 시작합니다.


SpringWorkspace - http://localhost:9090/myshop/ - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Project Explorer
Servers
Spring01IOC
Spring02MVC
Deployment Descriptor: Spring02MVC
Spring Elements
JAX-WS Web Services
src/main/java
src/main/resources
src/test/java
src/test/resources
JRE System Library [jdk1.8.0_291]
Maven Dependencies
Deployed Resources
src
main
java
resources
webapp
resources
WEB-INF
classes
lib
ojdbc6.jar
spring
views
web.xml
test
target
m2e-wtp
pom.xml
Spring02MVC/pom.xml
Home
http://localhost:9090/myshop/
Hello world!
The time on the server is 2021? 8? 31? (?) ?? 11? 27? 57?.
Servers
Console
Tomcat v8.5 Server at localhost [Apache Tomcat] C:₩Program Files₩Java₩jdk1.8.0_291₩bin₩javaw.exe (2021. 8. 31. 오전 11:27:15)
INFO : org.springframework.beans.factory.xml.XmlBeanDefinitionReader - Loading XML bean definitions from ServletContext resource [/WEB-INF/spring/appServlet/servlet
INFO : org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor - JSR-330 'javax.inject.Inject' annotation found and supported for autowiri
INFO : org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerMapping - Mapped "{[/],methods=[GET]}" onto public java.lang.String com.tis.myapp.H
INFO : org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter - Looking for @ControllerAdvice: WebApplicationContext for namespace 'appSe
INFO : org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter - Looking for @ControllerAdvice: WebApplicationContext for namespace 'appSe
INFO : org.springframework.web.servlet.handler.SimpleUrlHandlerMapping - Mapped URL path [/resources/**] onto handler 'org.springframework.web.servlet.resource.Resou
INFO : org.springframework.web.servlet.DispatcherServlet - FrameworkServlet 'appServlet': initialization completed in 1305 ms
8월 31, 2021 11:27:27 오전 org.apache.coyote.AbstractProtocol start
정보: 프로토콜 핸들러 ["http-nio-9090"]을(를) 시작합니다.
8월 31, 2021 11:27:27 오전 org.apache.catalina.startup.Catalina start
정보: Server startup in 10370 ms
INFO : com.tis.myshop.HomeController - Welcome home! The client locale is ko.

백업


.m2
파일 홈 공유 보기
공유 전자 메일 압축 (ZIP) 디스크에 굽기 인쇄 팩스 보내기
특정 사용자... 액세스 제거 고급 보안 공유 대상
내 PC › 로컬 디스크 (C:) › 사용자 › 82103 › .m2 ›
.m2 검색
다운로드 문서 사진 1 수정요청파일 스프링 셋팅 및 제출서류 OneDrive 내 PC 3D 개체 다운로드 동영상 문서 바탕 화면 사진 음악 로컬 디스크 (C:)
이름 수정한 날짜 유형 크기
repository 2021-08-31 오전 11:11 파일 폴더
1개 항목


util
파일 홈 공유 보기
공유 전자 메일 압축 (ZIP) 디스크에 굽기 인쇄 팩스 보내기
특정 사용자... 액세스 제거 고급 보안 공유 대상
내 PC › 로컬 디스크 (C:) › MyJAVA › util
util 검색
다운로드 문서 사진 1 수정요청파일 스프링 셋팅 및 제출서류 OneDrive 내 PC 3D 개체 다운로드 동영상 문서 바탕 화면 사진 음악 로컬 디스크 (C:)
이름 수정한 날짜 유형 크기
docs 2021-04-21 오후 6:29 파일 폴더
mingw 2021-05-27 오전 11:10 파일 폴더
mingw-w64-v8.0.2 2021-05-27 오전 11:06 파일 폴더
OracleXE112_Win64 2021-05-06 오후 1:57 파일 폴더
ReactJS배포 2021-08-11 오전 10:13 파일 폴더
repository 2021-08-31 오전 11:30 파일 폴더
sqldeveloper-20.2.0.175.1842-x64 2021-05-06 오후 2:30 파일 폴더
zipcode_DB 2021-07-20 오후 2:11 파일 폴더
apache-tomcat-9.0.16 2021-07-09 오전 9:17 응용 프로그램 11,110KB
service 2021-08-06 오후 5:10 Microsoft Excel 워크... 10KB
sqldeveloper-20.2.0.175.1842-x64 2021-01-27 오후 5:58 ALZip ZIP File 527,487KB
zipcode_DB (1) 2021-07-26 오후 4:26 ALZip ZIP File 110,377KB
만든 날짜: 2021-05-06 오후 2:30
크기: 716MB
폴더: sqldeveloper
파일: staruml-5.0-with-cm
12개 항목 | 1개 항목 선택함

*제목 없음 - Windows 메모장

파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)

Spring Legacy Project생성후

1. pom.xml에 라이브러리 등록

2. 프로젝트 선택->오른 마우스 클릭-> Maven -> Update Project

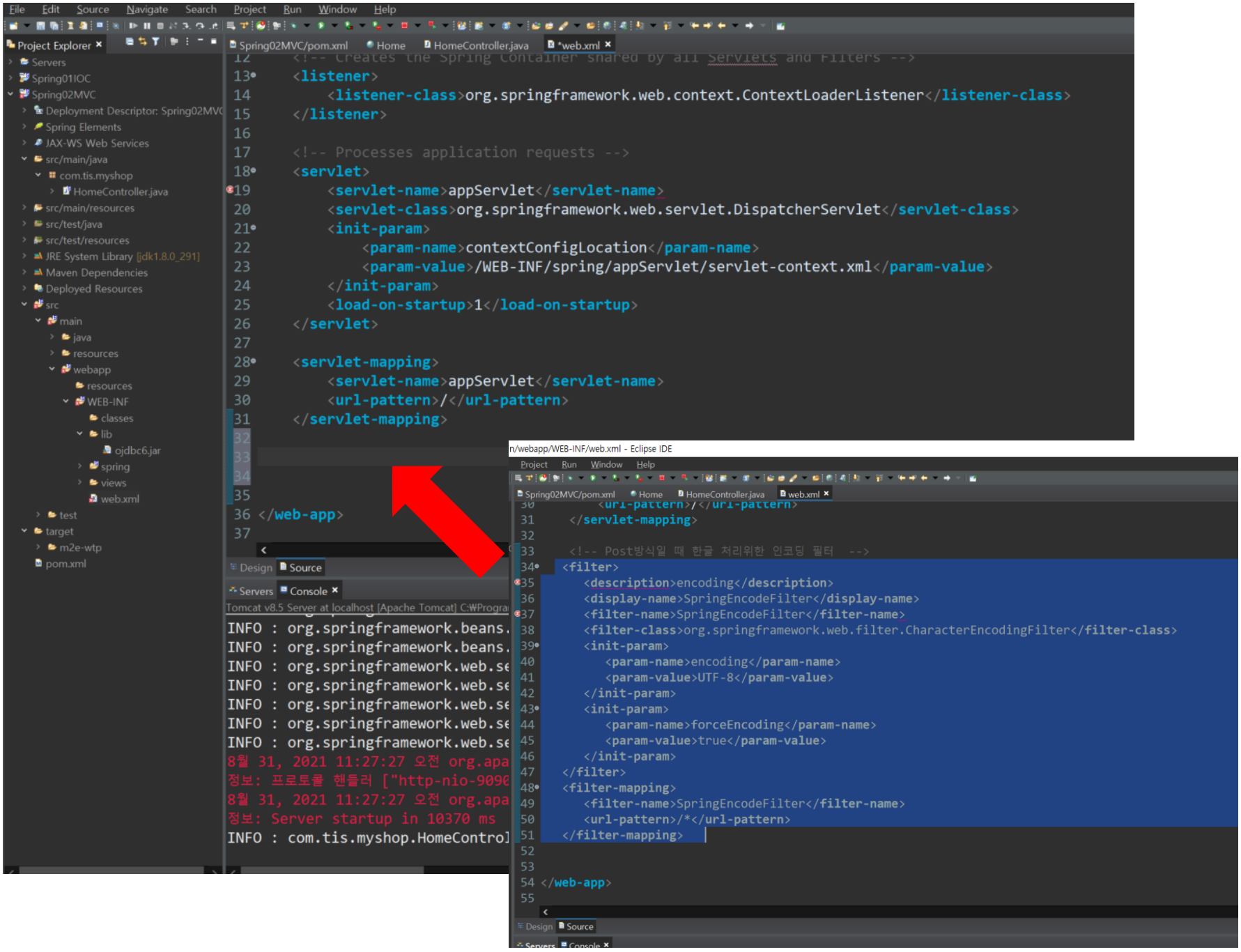
3. Configure Build Path 선택해서 libraray탭에서 우리가 사용하고 있는 jdk로 jre설정

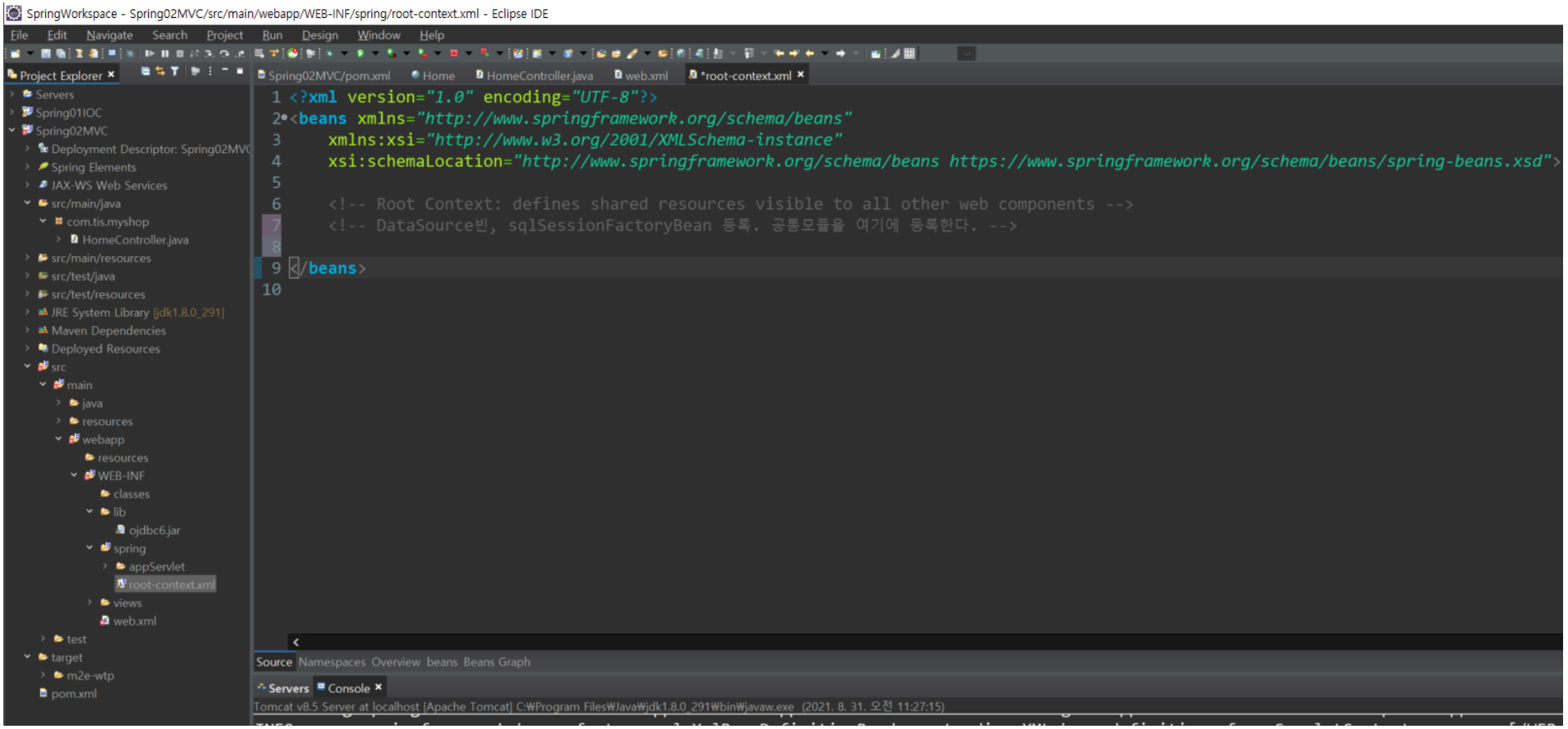
4. src/main/webapp/WEB-INF/web.xml 을 수정

[1] 설정 파일 (xml) 등록

[2] post방식일 때 한글 처리해주는 인코딩 필터 등록

Ln 8, Col 33 100% Windows (CRLF) UTF-8


File Edit Source Navigate Search Project Run Window Help
Project Explorer
Servers
Spring01IOC
Spring02MVC
Deployment Descriptor: Spring02MVC
Spring Elements
JAX-WS Web Services
src/main/java
com.tis.myshop
HomeController.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [jdk1.8.0_291]
Maven Dependencies
Deployed Resources
src
main
java
resources
webapp
resources
WEB-INF
classes
lib
ojdbc6.jar
spring
views
web.xml
test
target
m2e-wtp
pom.xml
Spring02MVC/pom.xml
Home
HomeController.java
*web.xml
<!-- Creates the Spring Container shared by all Servlets and Filters -->
<listener>
<listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>
</listener>
<!-- Processes application requests -->
<servlet>
<servlet-name>appServlet</servlet-name>
<servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>
<init-param>
<param-name>contextConfigLocation</param-name>
<param-value>/WEB-INF/spring/appServlet/servlet-context.xml</param-value>
</init-param>
<load-on-startup>1</load-on-startup>
</servlet>
<servlet-mapping>
<servlet-name>appServlet</servlet-name>
<url-pattern>/</url-pattern>
</servlet-mapping>
</web-app>
Design
Source
Servers
Console
Tomcat v8.5 Server at localhost [Apache Tomcat] C:₩Progra
INFO : org.springframework.beans.
INFO : org.springframework.beans.
INFO : org.springframework.web.se
INFO : org.springframework.web.se
INFO : org.springframework.web.se
INFO : org.springframework.web.se
INFO : org.springframework.web.se
8월 31, 2021 11:27:27 오전 org.apa
정보: 프로토콜 핸들러 ["http-nio-9090
8월 31, 2021 11:27:27 오전 org.apa
정보: Server startup in 10370 ms
INFO : com.tis.myshop.HomeControl
n/webapp/WEB-INF/web.xml - Eclipse IDE
Project Run Window Help
Spring02MVC/pom.xml
Home
HomeController.java
web.xml
<url-pattern>/</url-pattern>
</servlet-mapping>
<!-- Post방식일 때 한글 처리위한 인코딩 필터 -->
<filter>
<description>encoding</description>
<display-name>SpringEncodeFilter</display-name>
<filter-name>SpringEncodeFilter</filter-name>
<filter-class>org.springframework.web.filter.CharacterEncodingFilter</filter-class>
<init-param>
<param-name>encoding</param-name>
<param-value>UTF-8</param-value>
</init-param>
<init-param>
<param-name>forceEncoding</param-name>
<param-value>true</param-value>
</init-param>
</filter>
<filter-mapping>
<filter-name>SpringEncodeFilter</filter-name>
<url-pattern>/*</url-pattern>
</filter-mapping>
</web-app>
Design
Source
Servers
Console


SpringWorkspace - Spring02MVC/src/main/webapp/WEB-INF/spring/root-context.xml - Eclipse IDE
File Edit Navigate Search Project Run Design Window Help
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Servers
Spring01IOC
Spring02MVC
Deployment Descriptor: Spring02MVC
Spring Elements
JAX-WS Web Services
src/main/java
com.tis.myshop
HomeController.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [jdk1.8.0_291]
Maven Dependencies
Deployed Resources
src
main
java
resources
webapp
resources
WEB-INF
classes
lib
ojdbc6.jar
spring
appServlet
root-context.xml
views
web.xml
test
target
m2e-wtp
pom.xml
Spring02MVC/pom.xml
Home
HomeController.java
web.xml
*root-context.xml
1 <?xml version="1.0" encoding="UTF-8"?>
2 <beans xmlns="http://www.springframework.org/schema/beans"
3 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4 xsi:schemaLocation="http://www.springframework.org/schema/beans https://www.springframework.org/schema/beans/spring-beans.xsd">
5
6 <!-- Root Context: defines shared resources visible to all other web components -->
7 <!-- DataSource빈, sqlSessionFactoryBean 등록. 공통모듈을 여기에 등록한다. -->
8
9 </beans>
10
Source Namespaces Overview beans Beans Graph
Servers Console
Tomcat v8.5 Server at localhost [Apache Tomcat] C:₩Program Files₩Java₩jdk1.8.0_291₩bin₩javaw.exe (2021. 8. 31. 오전 11:27:15)

SpringWorkspace - Spring02MVC/src/main/webapp/WEB-INF/spring/appServlet/servlet-context.xml - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer ×

- Servers
- Spring01IOC
- Spring02MVC
  - Deployment Descriptor: Spring02MVC
  - Spring Elements
  - JAX-WS Web Services
  - src/main/java
    - com.tis.myshop
      - HomeController.java
  - src/main/resources
  - src/test/java
  - src/test/resources
  - JRE System Library [jdk1.8.0_291]
  - Maven Dependencies
  - Deployed Resources
  - src
    - main
      - java
      - resources
      - webapp
        - resources
        - WEB-INF
          - classes
          - lib
            - ojdbc6.jar
          - spring
            - appServlet
              - servlet-context.xml
            - root-context.xml
          - views
          - web.xml
    - test
  - target
    - m2e-wtp
  - pom.xml

Spring02MVC/pom.xml | Home | HomeController.java | web.xml | *root-context.xml | servlet-context.xml ×

```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <beans:beans xmlns="http://www.springframework.org/schema/mvc"
3      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4      xmlns:beans="http://www.springframework.org/schema/beans"
5      xmlns:context="http://www.springframework.org/schema/context"
6      xsi:schemaLocation="http://www.springframework.org/schema/mvc https://www.springframework.org/schema/mvc/spring-mvc.xsd
7          http://www.springframework.org/schema/beans https://www.springframework.org/schema/beans/spring-beans.xsd
8          http://www.springframework.org/schema/context https://www.springframework.org/schema/context/spring-context.xsd">
9
10     <!-- DispatcherServlet Context: defines this servlet's request-processing infrastructure -->
11
12     <!-- Enables the Spring MVC @Controller programming model -->
13     <annotation-driven />  → Annotation 방식을 지향하겠다.
14
15     <!-- Handles HTTP GET requests for /resources/** by efficiently serving up static resources in the ${webappRoot}/resources directory -->
16     <resources mapping="/resources/**" location="/resources/" />
17
18     <!-- Resolves views selected for rendering by @Controllers to .jsp resources in the /WEB-INF/views directory -->
19     <beans:bean class="org.springframework.web.servlet.view.InternalResourceViewResolver">
20         <beans:property name="prefix" value="/WEB-INF/views/" />
21         <beans:property name="suffix" value=".jsp" />
22     </beans:bean>
23
24     <context:component-scan base-package="com.tis.myshop" />
25
26
27
28 </beans:beans>
29
```

Source Namespaces Overview beans context mvc Beans Graph

Servers | Console ×

Tomcat v8.5 Server at localhost [Apache Tomcat] C:₩Program Files₩Java₩jdk1.8.0_291₩bin₩javaw.exe (2021. 8. 31. 오전 11:27:15)

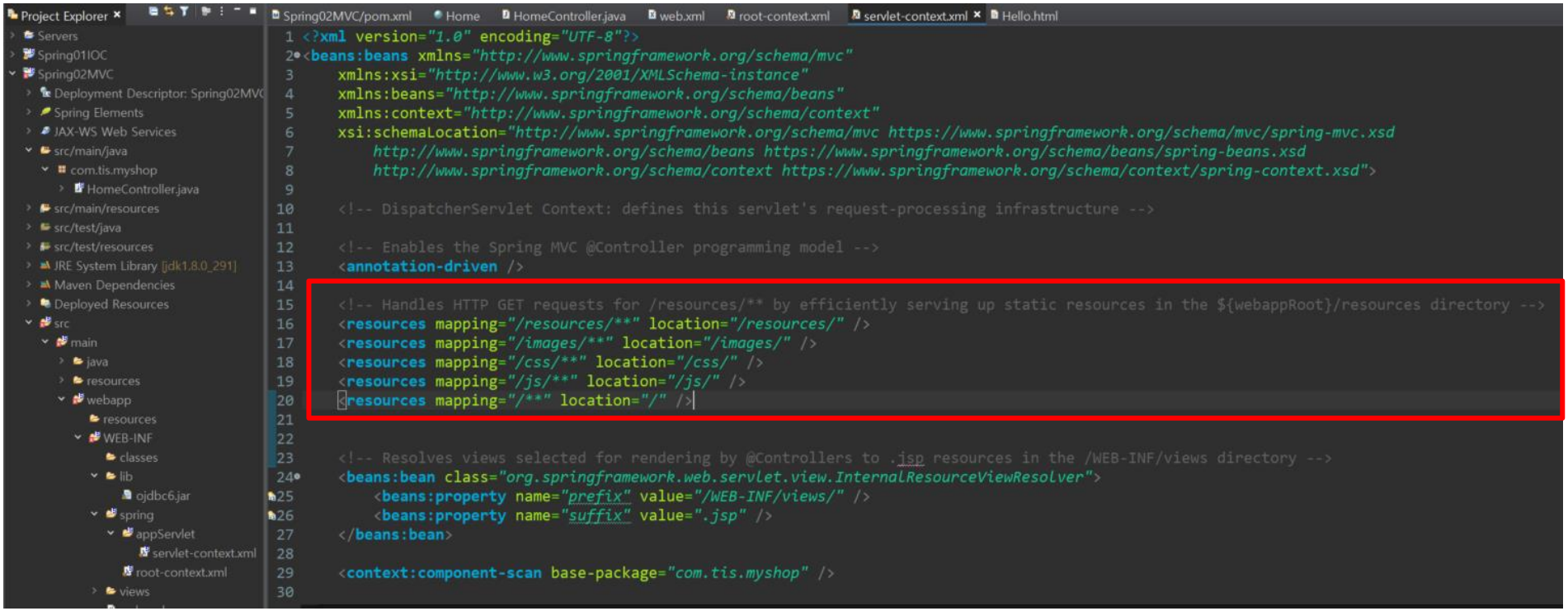
정보: Initializing Spring FrameworkServlet 'appServlet'

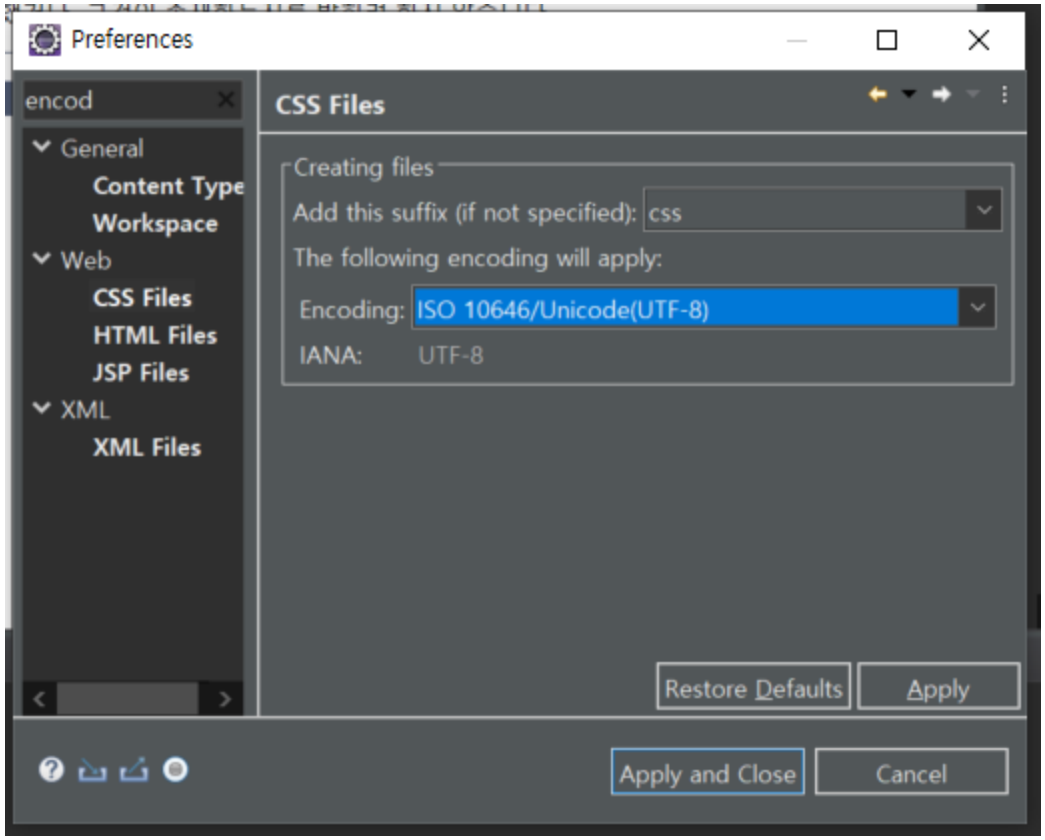
```
<!-- Resolves views selected for rendering by @Controllers to .jsp resources in the /WEB-INF/views directory -->
<beans:bean class="org.springframework.web.servlet.view.InternalResourceViewResolver">
    <beans:property name="prefix" value="/WEB-INF/views/" />
    <beans:property name="suffix" value=".jsp" />
</beans:bean>

<context:component-scan base-package="com.tis.myshop" />
```

접두어, 접미사를 붙일것이다.(prefix, suffix)

com.tis.myshop 를 스캔해서 컴포넌트를 만들겠다는 뜻


Project Explorer
Servers
Spring01IOC
Spring02MVC
Deployment Descriptor: Spring02MVC
Spring Elements
JAX-WS Web Services
src/main/java
com.tis.myshop
HomeController.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [jdk1.8.0_291]
Maven Dependencies
Deployed Resources
src
main
java
resources
webapp
resources
WEB-INF
classes
lib
ojdbc6.jar
spring
appServlet
servlet-context.xml
root-context.xml
views
Spring02MVC/pom.xml
Home
HomeController.java
web.xml
root-context.xml
servlet-context.xml
Hello.html
1 <?xml version="1.0" encoding="UTF-8"?>
2 <beans:beans xmlns="http://www.springframework.org/schema/mvc"
3 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4 xmlns:beans="http://www.springframework.org/schema/beans"
5 xmlns:context="http://www.springframework.org/schema/context"
6 xsi:schemaLocation="http://www.springframework.org/schema/mvc https://www.springframework.org/schema/mvc/spring-mvc.xsd
7 http://www.springframework.org/schema/beans https://www.springframework.org/schema/beans/spring-beans.xsd
8 http://www.springframework.org/schema/context https://www.springframework.org/schema/context/spring-context.xsd">
9
10 <!-- DispatcherServlet Context: defines this servlet's request-processing infrastructure -->
11
12 <!-- Enables the Spring MVC @Controller programming model -->
13 <annotation-driven />
14
15 <!-- Handles HTTP GET requests for /resources/** by efficiently serving up static resources in the ${webappRoot}/resources directory -->
16 <resources mapping="/resources/**" location="/resources/" />
17 <resources mapping="/images/**" location="/images/" />
18 <resources mapping="/css/**" location="/css/" />
19 <resources mapping="/js/**" location="/js/" />
20 <resources mapping="/**" location="/" />
21
22
23 <!-- Resolves views selected for rendering by @Controllers to .jsp resources in the /WEB-INF/views directory -->
24 <beans:bean class="org.springframework.web.servlet.view.InternalResourceViewResolver">
25 <beans:property name="prefix" value="/WEB-INF/views/" />
26 <beans:property name="suffix" value=".jsp" />
27 </beans:bean>
28
29 <context:component-scan base-package="com.tis.myshop" />
30


Preferences
encod
General
Content Type
Workspace
Web
CSS Files
HTML Files
JSP Files
XML
XML Files
CSS Files
Creating files
Add this suffix (if not specified): css
The following encoding will apply:
Encoding: ISO 10646/Unicode(UTF-8)
IANA: UTF-8
Restore Defaults
Apply
Apply and Close
Cancel