



Maven

안화수

Library 관리자

❖ maven

maven project

spring project

spring boot project

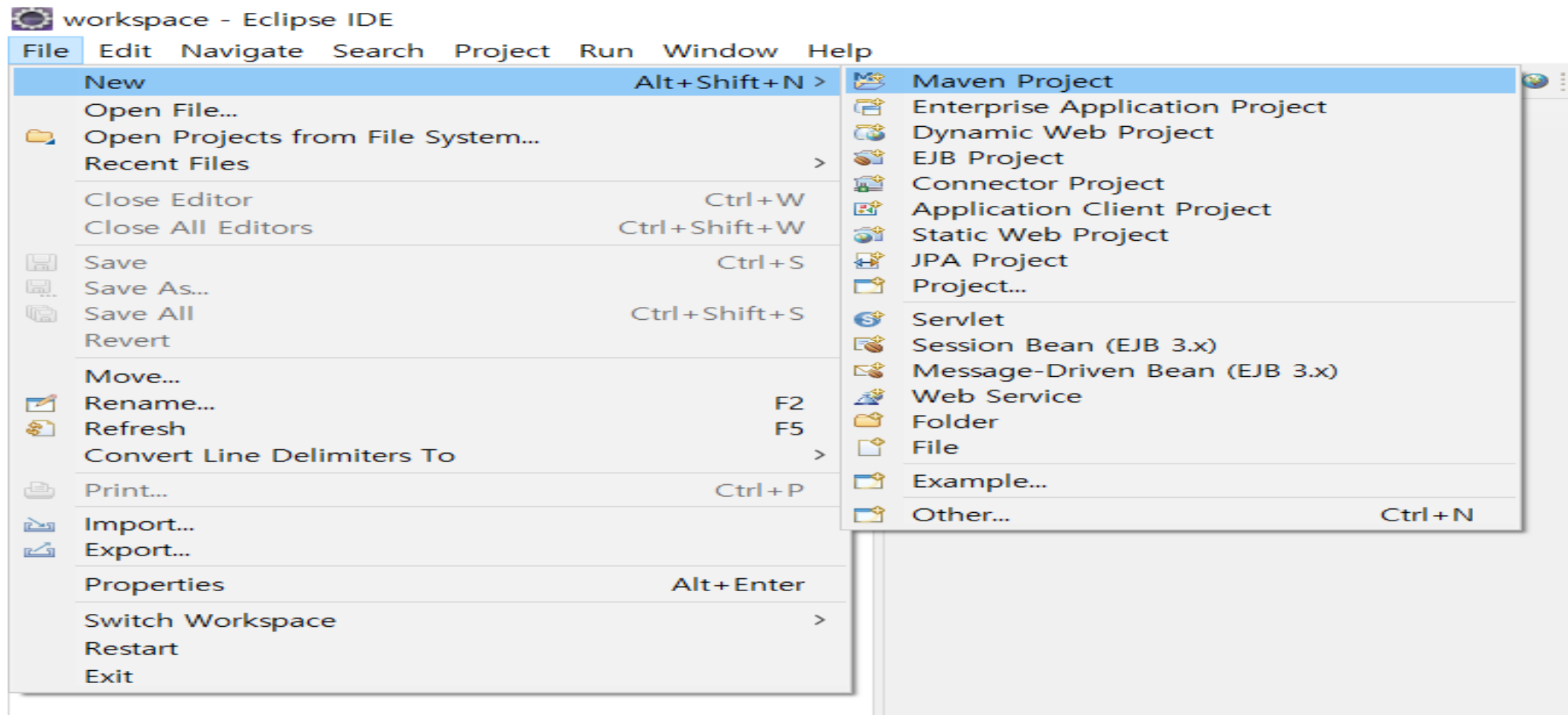
❖ gradle

android project

spring boot project

Maven Project 생성

❖ maven project



Maven Project 생성

❖ maven project

New Maven Project

New Maven project

Select project name and location

☐ Create a simple project (skip archetype selection)

☒ Use default Workspace location

Location: C:\Users\giduc\git\myproject\jsppro

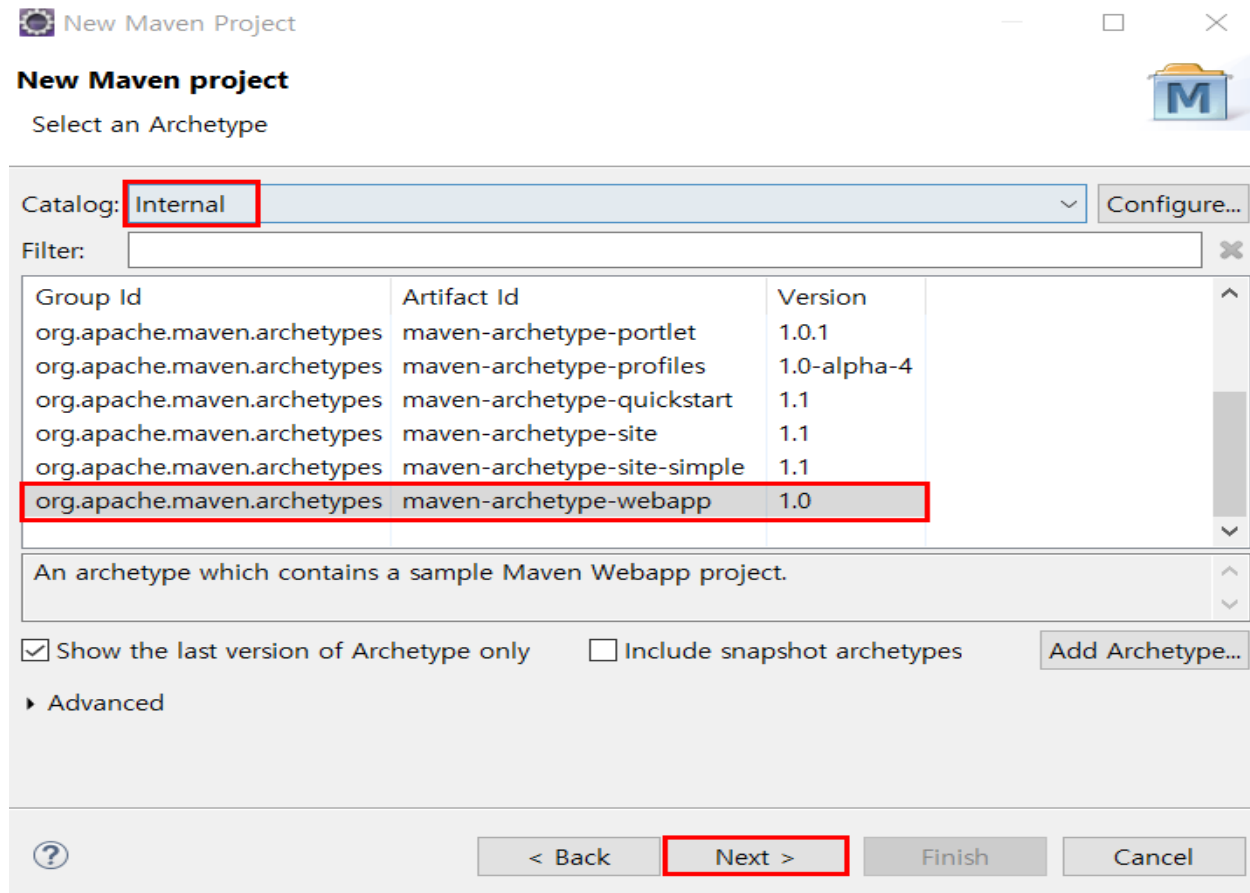
☐ Add project(s) to working set

Working set:

▶ Advanced

Maven Project 생성

❖ maven project



Maven Project 생성

❖ maven project

New Maven Project

New Maven project

Specify Archetype parameters

Group Id:

Artifact Id:

Version:

Package:

Properties available from archetype:

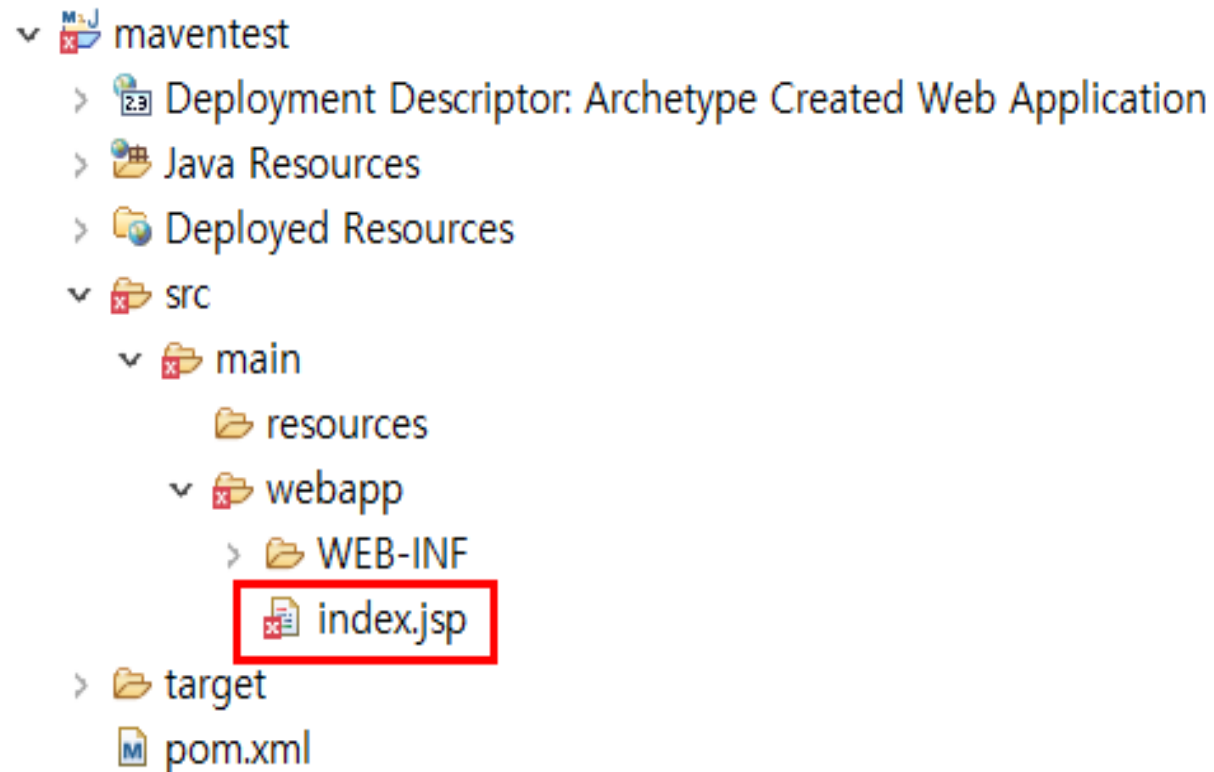
Name	Value

Advanced

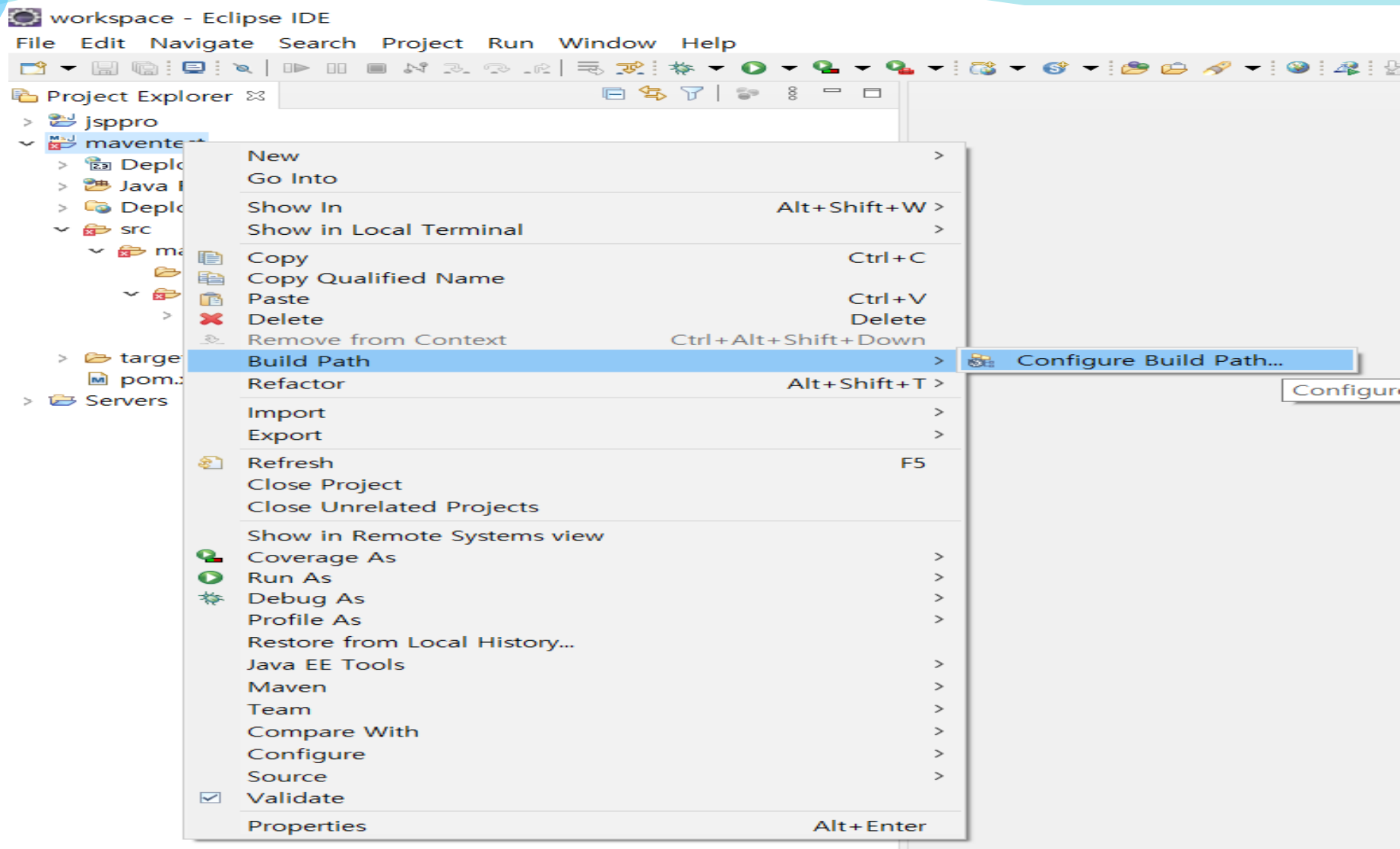
Maven Project 생성

❖ maven project 에러발생

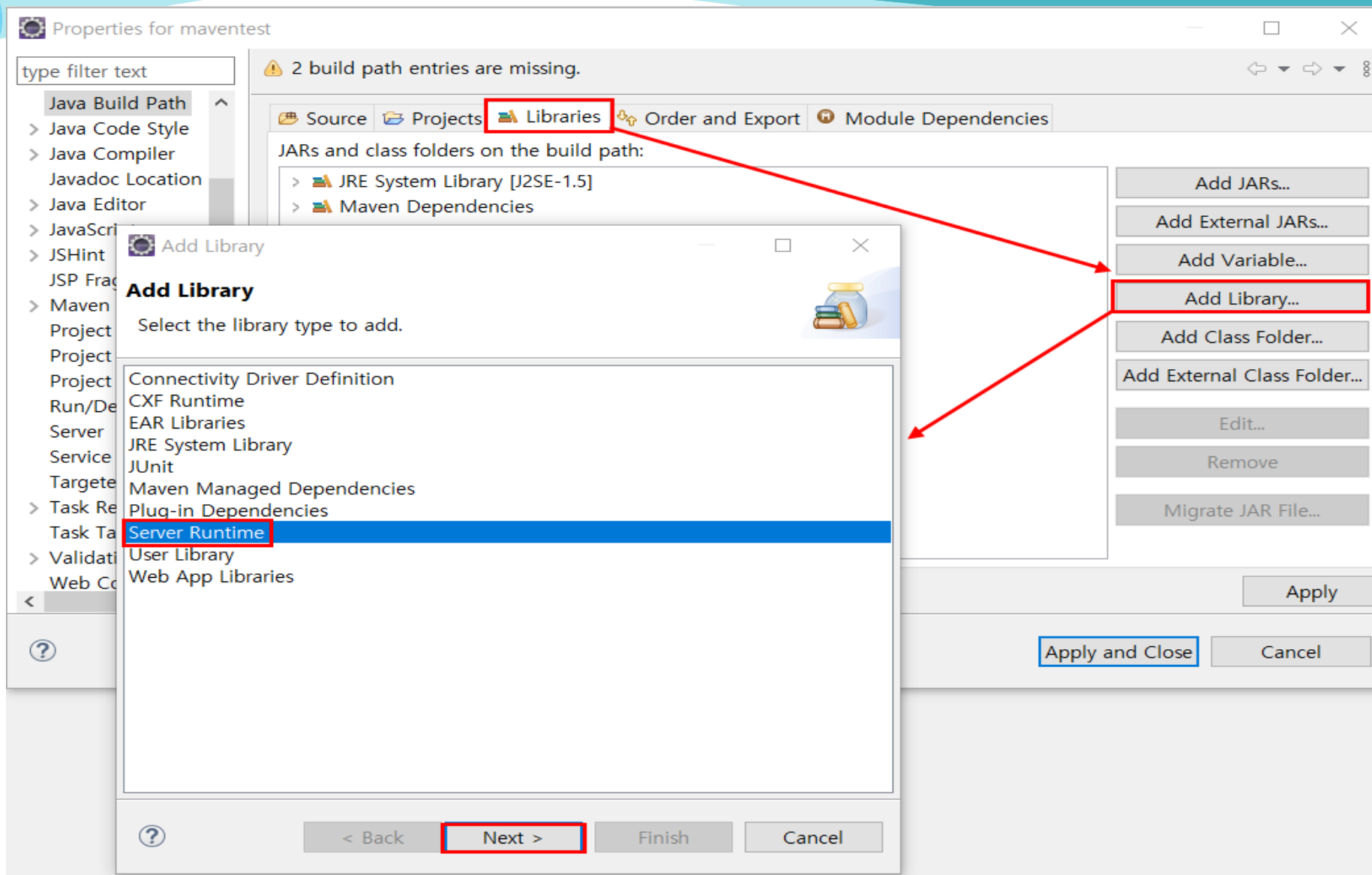
maven 프로젝트 생성후 index.jsp 파일에 에러가 발생하면, Apache Tomcat Library 를 추가하면 에러가 사라진다.



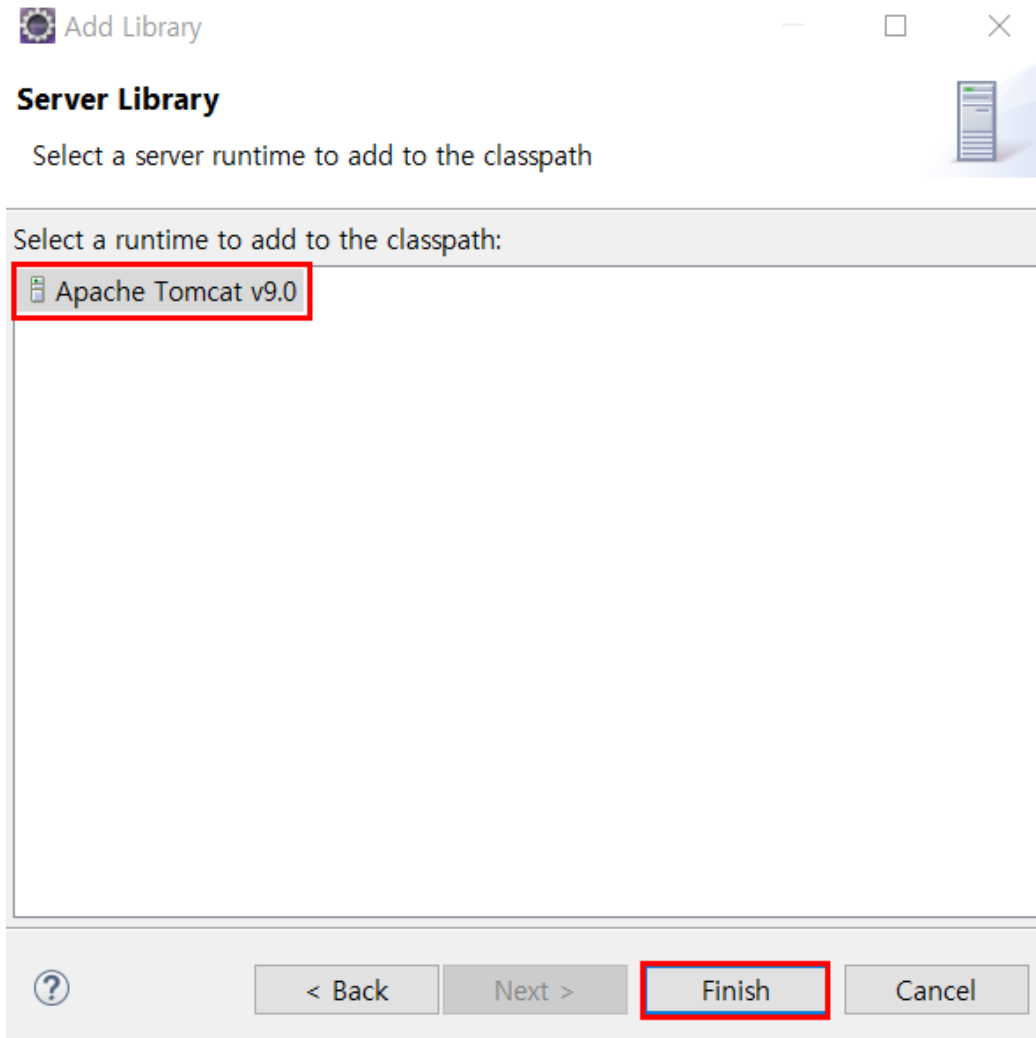
Apache Tomcat Library 추가



Apache Tomcat Library 추가



Apache Tomcat Library 추가



Maven Project 구조

maventest - src - main - java

<--- Controller, Service, DTO, DAO

- resources

<--- MyBatis의 환경설정 파일, SQL문 파일(*.xml)

- webapp

<--- view페이지

-WEB-INF - web.xml <--- project의 환경설정 파일

-

- pom.xml (Maven 환경설정 파일)

의존 라이브러리 검색

❖ 의존 라이브러리 검색 (cos 검색)

<http://mvnrepository.com>

The screenshot shows a web browser window with the URL `mvnrepository.com/search?q=cos`. The page displays search results for the term 'cos'. The search bar at the top contains 'cos'. The results are sorted by 'relevance'. The first result is 'Cos' by 'com.jfinal', with 36 usages and a last release on Apr 11, 2020. The second result is 'COS' by 'servlets.com', with 30 usages and a last release on Nov 8, 2005. The third result is 'COS' by 'com.servlets', with 15 usages and a last release on Dec 20, 2005. The left sidebar shows a list of repositories, including Central (176), Sonatype (8), JCenter (7), ImageJ Public (3), Spring Lib M (2), Spring Plugins (2), BeDataDriven (1), and ICM (1). The right sidebar shows a list of indexed repositories, including Central, Sonatype, Atlassian, Spring Plugins, Spring Lib M, Hortonworks, JCenter, and Atlassian Public.

Maven Repository: cos

mvnrepository.com/search?q=cos

MVNREPOSITORY Search

Categories | Popular | Contact Us

Repository

- Central 176
- Sonatype 8
- JCenter 7
- ImageJ Public 3
- Spring Lib M 2
- Spring Plugins 2
- BeDataDriven 1
- ICM 1

Group

- de.dfki 61
- data.de 58
- com.ibm 17
- com.qcloud 14
- com.tencent 7
- com.oldnoop 5
- com.github 2
- com.healthy-chn 2

Found 188 results

Sort: **relevance** | popular | newest

1. **Cos** 36 usages
[com.jfinal » cos](#)
Cos
Last Release on Apr 11, 2020

2. **COS** 30 usages
[servlets.com » cos](#)
The O'Reilly Servlet Package (com.oreilly.servlet) by Jason Hunter to accompany his book, Java Servlet Programming, including the famous MultipartRequest and MultipartParser classes.
Last Release on Nov 8, 2005

3. **COS** 15 usages
[com.servlets » cos](#)
COS
Last Release on Dec 20, 2005

Limited time offer: Get 10 free Adobe Stock images.
ADS VIA CARBON

Indexed Repositories (1350)

- Central
- Sonatype
- Atlassian
- Spring Plugins
- Spring Lib M
- Hortonworks
- JCenter
- Atlassian Public

의존 라이브러리 검색

❖ 의존 라이브러리 검색 (cos 검색)

[Home](#) » [servlets.com](#) » [cos](#)



COS

The O'Reilly Servlet Package ([com.oreilly.servlet](#)) by Jason Hunter to accompany his book, Java Servlet Programming, including the famous `MultipartRequest` and `MultipartParser` classes.

Tags	servlet
Used By	30 artifacts

Note: This artifact was moved to:

[com.servlets](#) » [cos](#)

[Central \(1\)](#)

[Spring Plugins \(1\)](#)

Version	Repository	Usages	Date
05Nov2002	Central	30	Nov, 2005

의존 라이브러리 검색

❖ 의존 라이브러리 검색 (cos 검색)

[Home](#) » [servlets.com](#) » [cos](#) » 05Nov2002



COS » 05Nov2002

The O'Reilly Servlet Package (com.oreilly.servlet) by Jason Hunter to accompany his book, Java Servlet Programming, including the famous MultipartRequest and MultipartParser classes.

Organization	servlets.com
HomePage	http://www.servlets.com/
Date	(Nov 08, 2005)
Files	pom (768 bytes) jar (55 KB) View All
Repositories	Central
Used By	30 artifacts

[Maven](#) [Gradle](#) [Gradle \(Short\)](#) [Gradle \(Kotlin\)](#) [SBT](#) [Ivy](#) [Grape](#) [Leiningen](#)
[Buildr](#)

```
<!-- https://mavenrepository.com/artifact/servlets.com/cos -->
<dependency>
  <groupId>servlets.com</groupId>
  <artifactId>cos</artifactId>
  <version>05Nov2002</version>
</dependency>
```

☒ Include comment with link to declaration

Maven 환경설정 파일 : pom.xml

❖ pom.xml : cos 추가

```
<dependencies>
```

```
    <dependency>
```

```
        <groupId>servlets.com</groupId>
```

```
        <artifactId>cos</artifactId>
```

```
        <version>05Nov2002</version>
```

```
    </dependency>
```

```
</dependencies>
```

Maven 환경설정 파일 : pom.xml

❖ pom.xml : oracle 추가

```
<dependencies>
```

```
    <dependency>
```

```
        <groupId>com.oracle.database.jdbc</groupId>
```

```
        <artifactId>ojdbc8</artifactId>
```

```
        <version>21.5.0.0</version>
```

```
    </dependency>
```

```
</dependencies>
```


Maven 환경설정 파일 : pom.xml

❖ pom.xml : mysql 추가

```
<dependencies>
```

```
    <dependency>
```

```
        <groupId>com.mysql</groupId>
```

```
        <artifactId>mysql-connector-j</artifactId>
```

```
        <version>8.0.33</version>
```

```
    </dependency>
```

```
</dependencies>
```

Maven 환경설정 파일 : pom.xml

❖ pom.xml : mybatis 추가

```
<dependencies>
```

```
    <dependency>
```

```
        <groupId>org.mybatis</groupId>
```

```
        <artifactId>mybatis</artifactId>
```

```
        <version>3.5.6</version>
```

```
    </dependency>
```

```
</dependencies>
```

Maven 환경설정 파일 : pom.xml

❖ pom.xml : jstl 추가

```
<dependencies>
```

```
    <dependency>
```

```
        <groupId>javax.servlet</groupId>
```

```
        <artifactId>jstl</artifactId>
```

```
        <version>1.2</version>
```

```
    </dependency>
```

```
    <dependency>
```

```
        <groupId>org.glassfish.web</groupId>
```

```
        <artifactId>jstl-impl</artifactId>
```

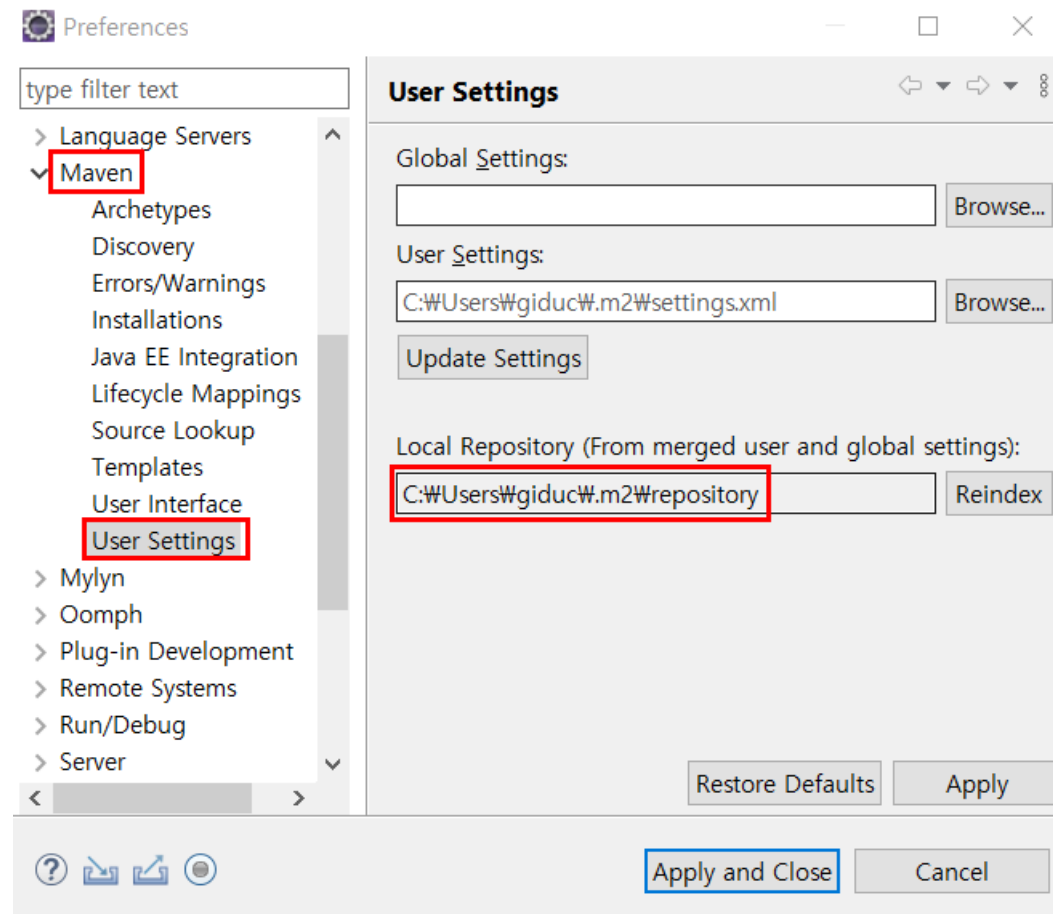
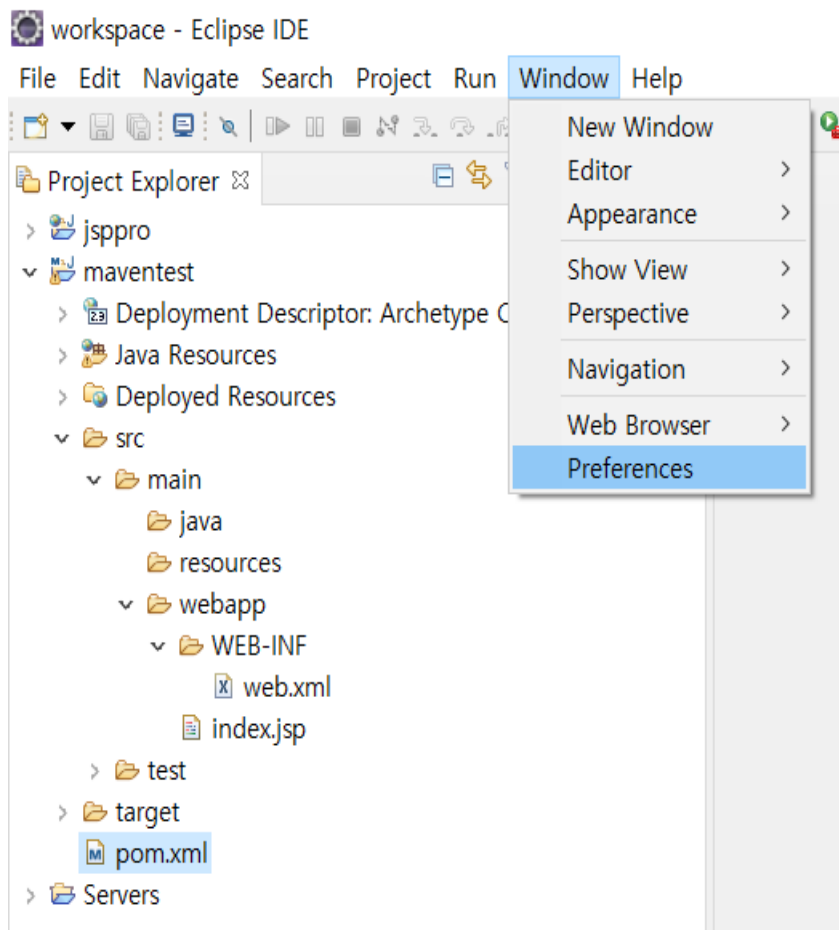
```
        <version>1.2</version>
```

```
    </dependency>
```

```
</dependencies>
```

Local Repository

❖ 로컬 저장소 위치 : `C:\Users\계정\m2\repository`



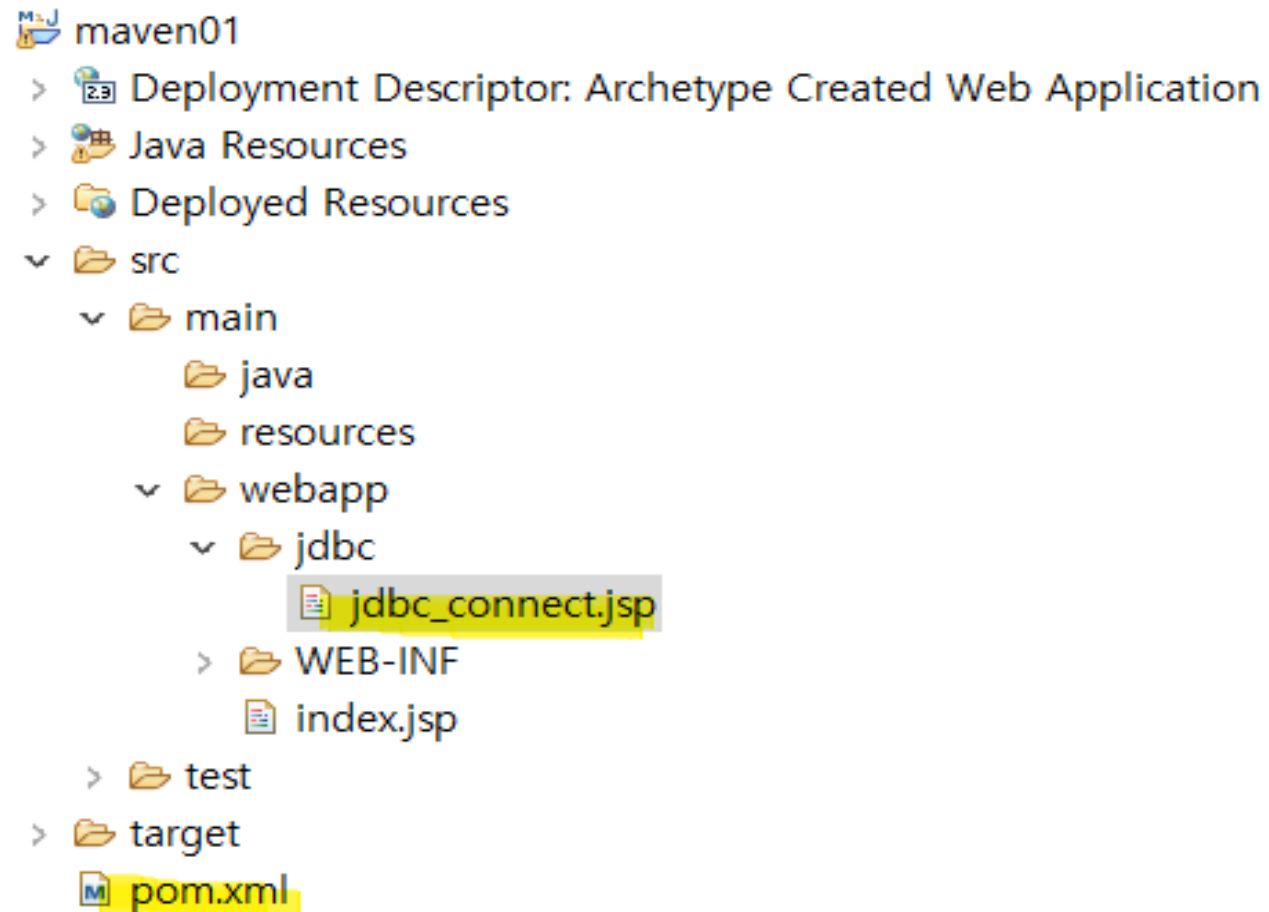
DB연동

❖ 데이터베이스 연동 테스트

1. maven01 프로젝트 생성
2. maven의 환경 설정 파일인 pom.xml 파일에 의존 라이브러리 추가
oracle, mysql 라이브러리 추가
3. DB연동 테스트 파일로 테스트 실행

DB연동

1. maven01 프로젝트 생성



2. pom.xml 파일에 의존 라이브러리 추가

```
<dependencies>
```

```
    <dependency>
```

```
        <groupId>com.oracle.database.jdbc</groupId>
```

```
        <artifactId>ojdbc8</artifactId>
```

```
        <version>21.5.0.0</version>
```

```
    </dependency>
```

```
    <dependency>
```

```
        <groupId>com.mysql</groupId>
```

```
        <artifactId>mysql-connector-j</artifactId>
```

```
        <version>8.0.33</version>
```

```
    </dependency>
```

```
</dependencies>
```

DB연동

3. DB연동 테스트 : jdbc_connect.jsp (1/2)

```
<%@ page contentType="text/html; charset=utf-8"%>
<%@ page import="java.sql.*"%>
<%
    Connection con = null;
try {
    /***** Oracle 연결 설정 *****/
    String driver = "oracle.jdbc.driver.OracleDriver";
    String url = "jdbc:oracle:thin:@localhost:1521:xe";
    String user = "scott";
    String password = "tiger";

    /***** My-SQL 연결 설정 *****/
//    String driver = "com.mysql.cj.jdbc.Driver";
//    String url = "jdbc:mysql://localhost:3306/jsptest";
//    String user = "jspid";
//    String password = "jsppass";
```


DB연동

3. DB연동 테스트 : jdbc_connect.jsp (2/2)

```
Class.forName(driver);
con = DriverManager.getConnection(url, user, password);

out.println("연결되었습니다.");

} catch (Exception e) {
    e.printStackTrace();
} finally {
    try{
        if(con != null) con.close();
    }catch(Exception e){
        e.printStackTrace();
    }
}
%>
```