



Spring

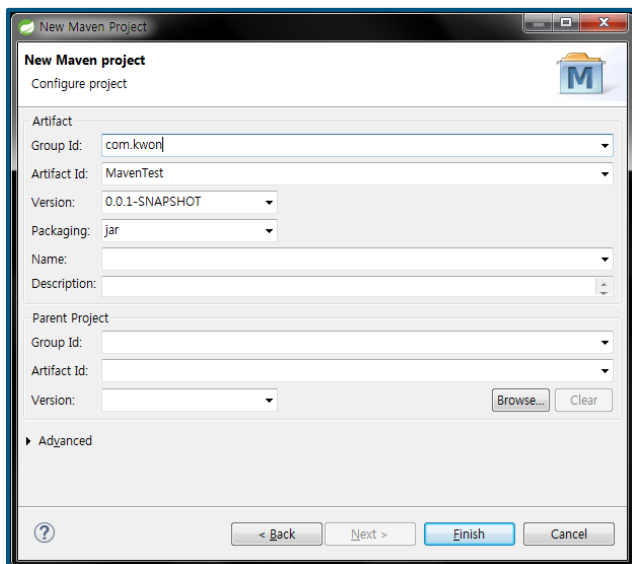
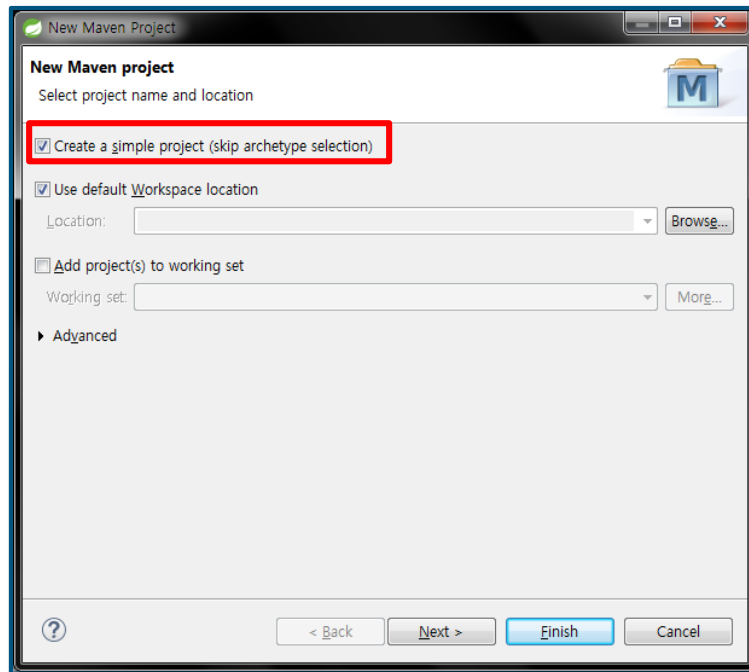
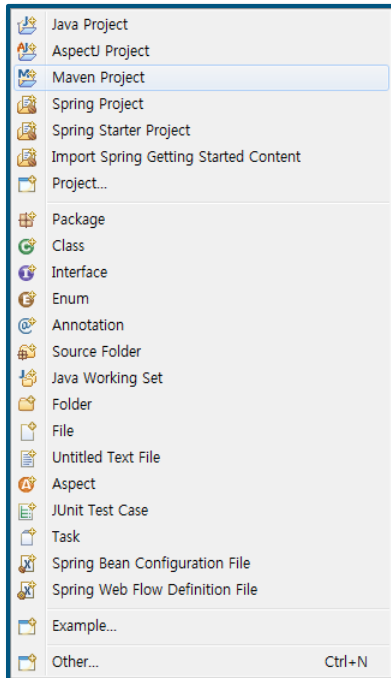
Maven



권기웅

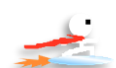
1. Maven 적용 자바 프로젝트

1.1 Maven 프로젝트 작성



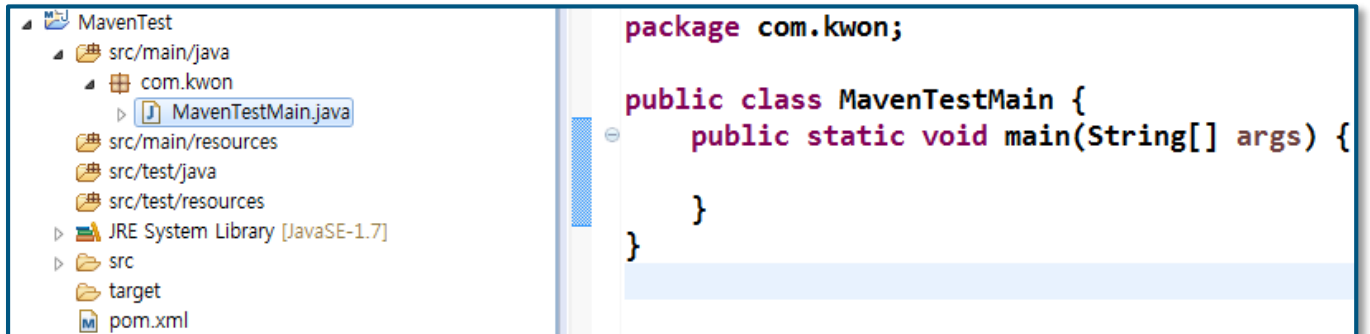
Group Id : 회사명

Artifact Id : 프로젝트명



1.2 클래스 작성

src/main/java 에 작성



2.pom.xml

2.1 pom.xml

Maven 의 핵심

프로젝트 설정 파일

의존성 관리(.jar)

- Maven 중앙 저장소(또는 추가된 저장소)에서 .jar 를 자동으로 다운받아 오며, 한번 다운 받은 파일은 컴퓨터 내에서 관리

2.2 Maven 중앙 저장소 검색

2.2.1 검색 사이트

<http://mvnrepository.com>

The screenshot shows the Maven Repository website. The header includes the 'MVNREPOSITORY' logo, a search bar, and navigation links for 'Categories', 'Popular', and 'Contact Us'. The main content area is titled 'What's New in Maven' and lists several Jetty artifacts with their versions and usage counts. On the left, there is a sidebar with 'Artifacts/Year' (a line graph showing growth from 2004 to 2015) and 'Popular Categories' (a list of various Maven-related categories). On the right, there are promotional banners for Sony RX series cameras and X series speakers, and an Amazon logo at the bottom.

Artifact	Version	Usage Count
Jetty :: Servlet Handling	org.eclipse.jetty » jetty-servlet » 9.3.0.v20150612	607 usages
Jetty Servlet Container		
Jetty :: Servlet Handling	org.eclipse.jetty » jetty-servlet » 9.2.12.M0	607 usages
Jetty Servlet Container		
Jetty :: Webapp Application Support	org.eclipse.jetty » jetty-webapp » 9.2.12.M0	560 usages
Jetty web application support		
Jetty :: Webapp Application Support	org.eclipse.jetty » jetty-webapp » 9.3.0.v20150612	560 usages
Jetty web application support		
Jetty :: Utilities	org.eclipse.jetty » jetty-util » 9.3.0.v20150612	302 usages
Utility classes for Jetty		



2.2.2 검색

The screenshot shows the Maven Repository search results for the query 'httpClient'. The page is titled 'Found 119 results'. The first result, '1. Apache HttpClient', is highlighted with a red box. It shows the package 'org.apache.httpcomponents » httpClient' under the category 'HTTP Clients' with 2,174 usages. The second result is '2. HttpClient' from 'commons-httpclient' with 1,097 usages. The third result is '3. Apache HttpClient Cache' with 53 usages. The fourth result is '4. Apache HttpClient OSGi Bundle' with 54 usages. The left sidebar shows 'Artifacts/Year' and 'Popular Categories'. The right sidebar contains advertisements for 'AIRFRANCE' and 'FUN88'.

Artifacts/Year

967k
483k
0
2004 2015

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

Found 119 results

1. Apache HttpClient 2,174 usages
org.apache.httpcomponents » httpClient under HTTP Clients
Apache HttpComponents Client

2. HttpClient 1,097 usages
commons-httpclient » commons-httpclient under HTTP Clients
The HttpClient component supports the client-side of RFC 1945 (HTTP/1.0) and RFC 2616 (HTTP/1.1), several related specifications (RFC 2109 (Cookies), RFC 2617 (HTTP Authentication), etc.), and provides a framework by which new request types (methods) or HTTP extensions can be created easily.

3. Apache HttpClient Cache 53 usages
org.apache.httpcomponents » httpclient-cache
Apache HttpComponents HttpClient - Cache

4. Apache HttpClient OSGi Bundle 54 usages
org.apache.httpcomponents » httpclient-osgi

Web site developed by @frodriguez

AIRFRANCE

FUN88
SPORTSBOOK & CASINO

지금 오시면 원하시는
기프티콘을 드릴게요 ^^



2.2.3 사용할 버전 선택

Home » org.apache.httpcomponents » httpclient

Apache HttpClient

org.apache.httpcomponents » httpclient under **HTTP Clients** 2,174 usages

Apache HttpComponents Client

Tags: **apache** **client** **http**

Version	Usages	Type	Date
4.5.x 4.5	14	release	(May, 2015)
4.4.1	84	release	(Mar, 2015)
4.4	83	release	(Jan, 2015)
4.4-beta1	14	beta	(Sep, 2014)
4.4-alpha1	7	alpha	(Jun, 2014)
4.3.6	193	release	(Nov, 2014)
4.3.5	186	release	(Jul, 2014)

2.2.4 XML 태그 복사

Home » org.apache.httpcomponents » httpclient » **4.5**

Apache HttpClient » 4.5

org.apache.httpcomponents » httpclient » 4.5 under **HTTP Clients** 2,174 usages

Apache HttpComponents Client

Artifact [Download \(JAR \) \(711 KB \)](#)

POM File [View](#)

Date (May 31, 2015)

HomePage <http://hc.apache.org/httpcomponents-client>

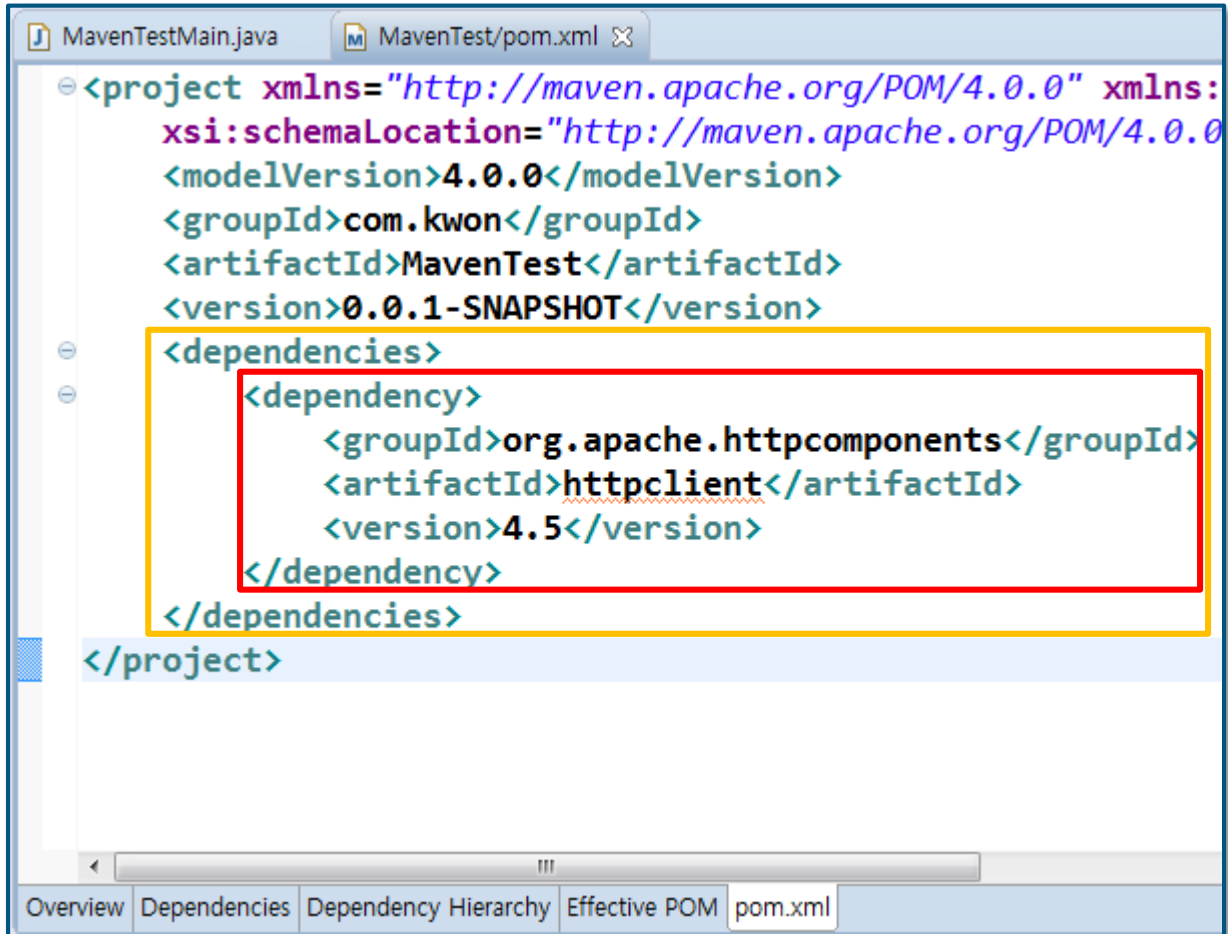
Maven **Ivy** Grape Gradle Buildr SBT Leiningen

```
<dependency>
<groupId>org.apache.httpcomponents</groupId>
<artifactId>httpclient</artifactId>
<version>4.5</version>
</dependency>
```

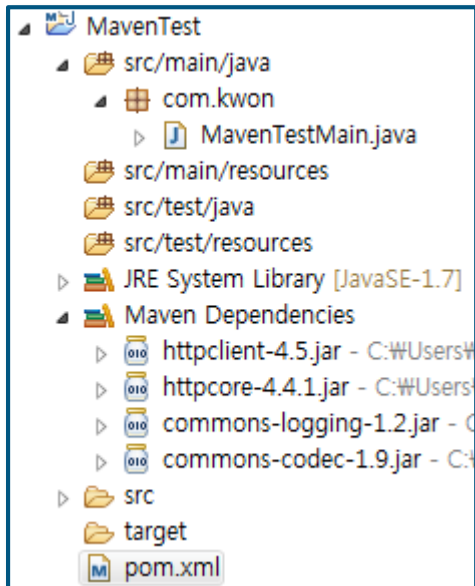


2.3 pom.xml 에 의존성 추가

2.3.1 pom.xml 에 의존성 추가



2.3.2 .jar 확인



2.4 클래스에서 사용

```
public class MavenTestMain {  
    public static void main(String[] args) {  
        HttpClient client = new DefaultHttpClient();  
        HttpGet get  
            = new HttpGet("http://www.kma.go.kr/wid/queryDFS.jsp?gridx=61&gridy=120");  
        try {  
            HttpResponse res = client.execute(get);  
            HttpEntity entity = res.getEntity();  
            InputStream is = entity.getContent();  
            BufferedReader br = new BufferedReader(  
                new InputStreamReader(is, "utf-8"));  
  
            String line = null;  
            while ((line = br.readLine()) != null) {  
                System.out.println(line);  
            }  
  
        } catch (Exception e) {  
            e.printStackTrace();  
        } finally {  
            client.getConnectionManager().shutdown();  
        }  
    }  
}
```



2.5 결과

```
<?xml version="1.0" encoding="UTF-8" ?>
<wid>
  <header>
    <tm>201506180800</tm>
    <ts>2</ts>
    <x>61</x>
    <y>120</y>
  </header>
  <body>
    <data seq="0">
      <hour>12</hour>
      <day>0</day>
      <temp>26.5</temp>
      <tmx>29.9</tmx>
```



3. 다른 Maven 프로젝트

3.1 다른 Maven Project 다시 작성

New Maven Project
Configure project

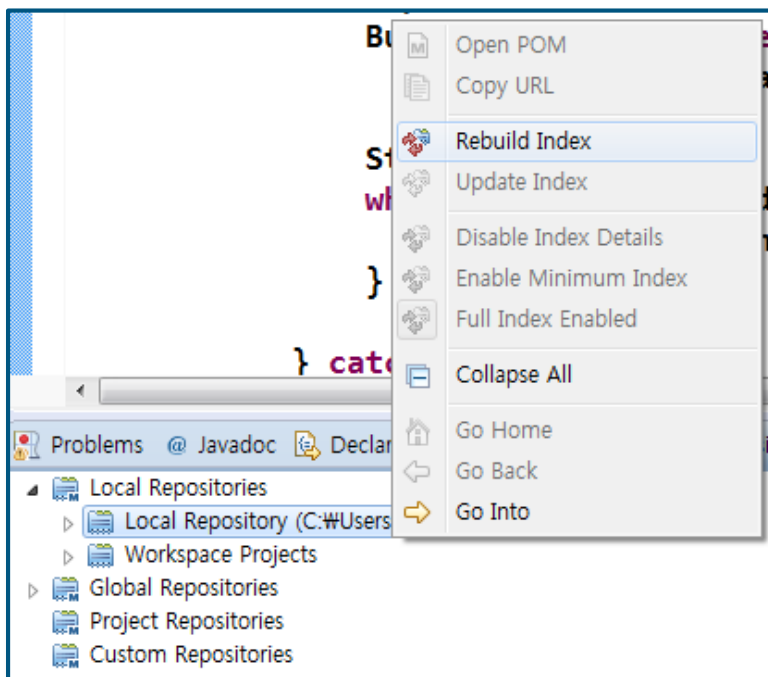
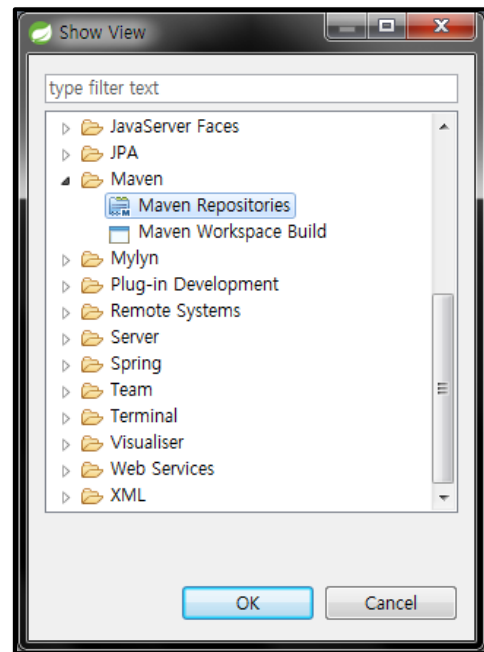
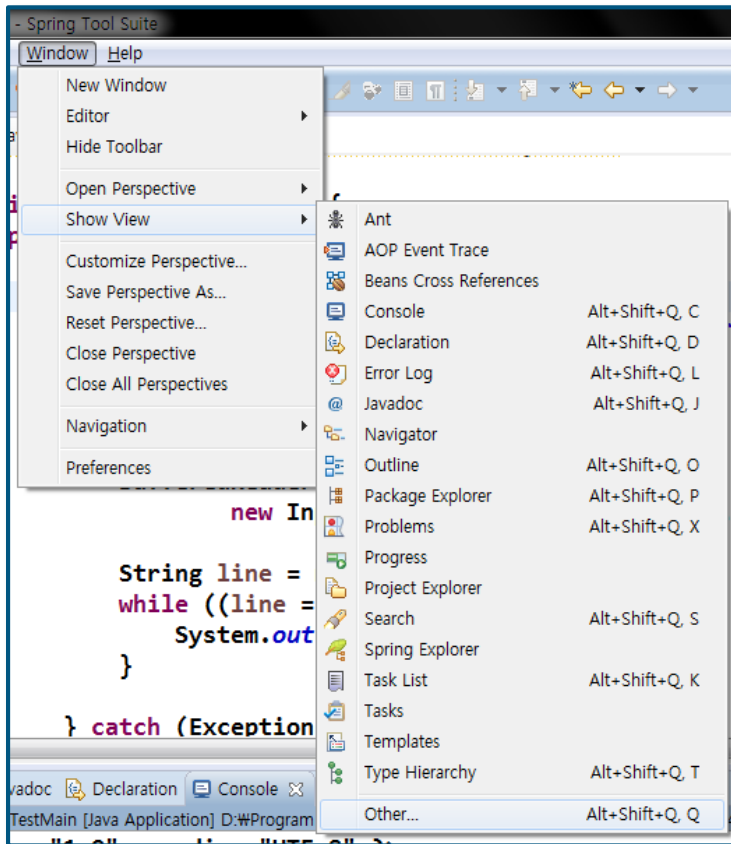
Artifact
Group Id:
Artifact Id:
Version:
Packaging:
Name:
Description:

Parent Project
Group Id:
Artifact Id:
Version:

► **Advanced**

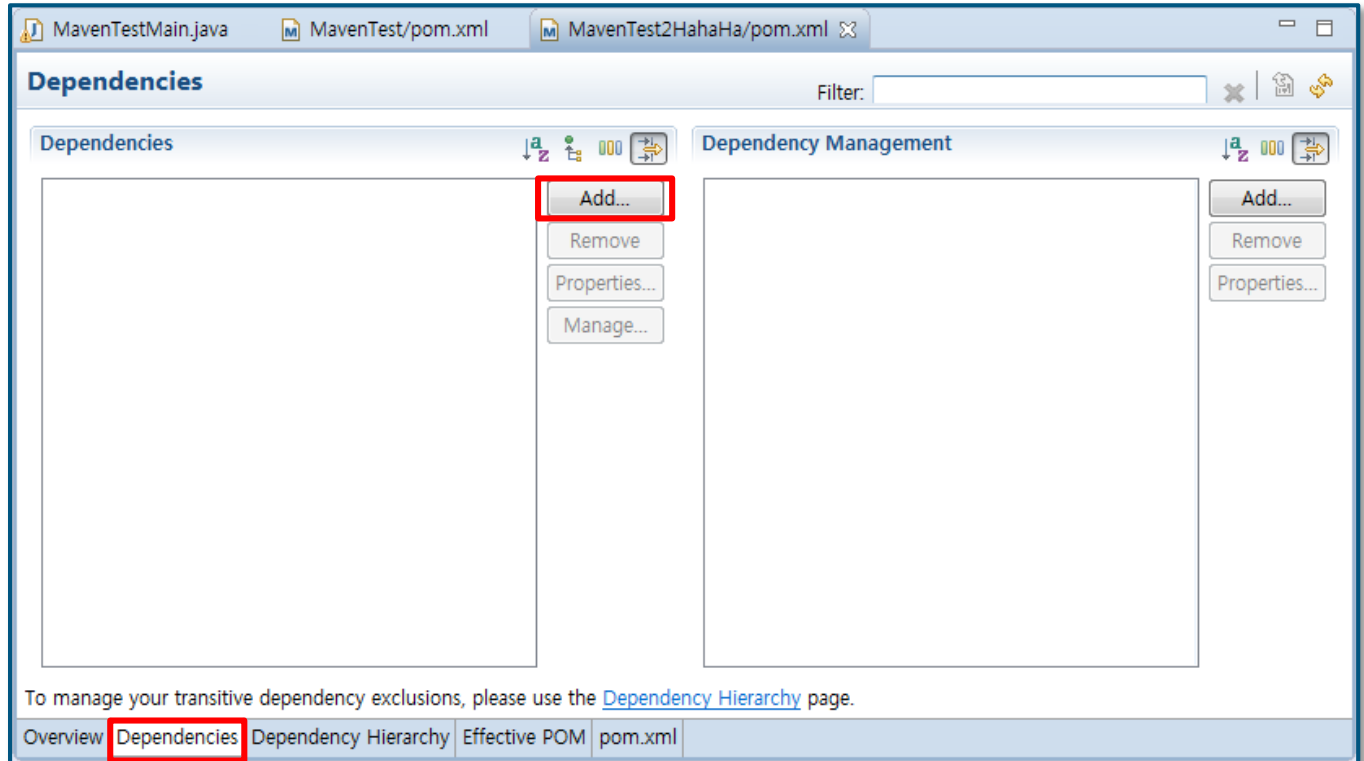


3.2 Maven 저장소 관리

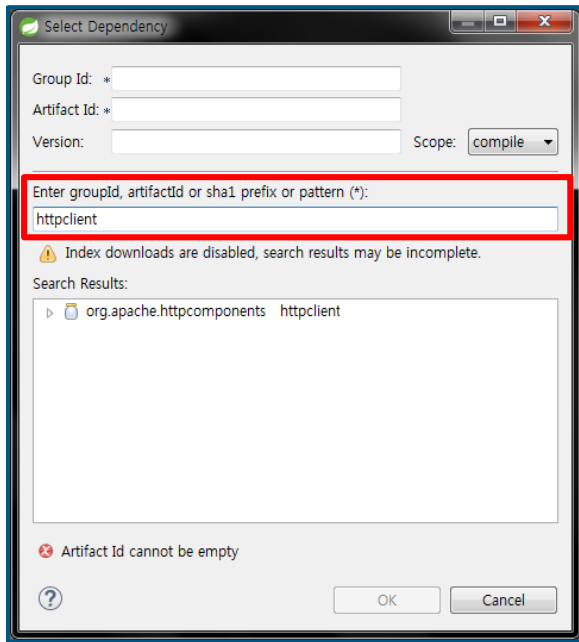


3.3 pom.xml

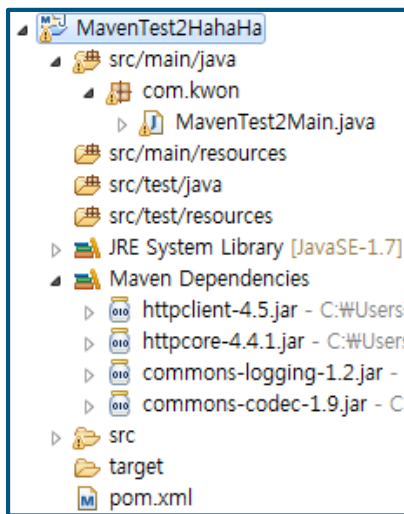
3.3.1 Dependencies – Add...



3.3.2 검색



3.3.3 추가된 결과



3.4 클래스에서 사용

```
public class MavenTest2Main {  
    public static void main(String[] args) {  
        HttpClient client = new DefaultHttpClient();  
        HttpGet get = new HttpGet(  
            "http://map.naver.com/common2/getRegionByPosition.nhn?xPos=127.0501517&yPos=37.2739468");  
        try {  
            HttpResponse res = client.execute(get);  
            HttpEntity entity = res.getEntity();  
            InputStream is = entity.getContent();  
            BufferedReader br = new BufferedReader(new InputStreamReader(is,  
                "utf-8"));  
  
            String line = null;  
            while ((line = br.readLine()) != null) {  
                System.out.println(line);  
            }  
  
        } catch (Exception e) {  
            e.printStackTrace();  
        } finally {  
            client.getConnectionManager().shutdown();  
        }  
    }  
}
```

3.5 결과

```
{"result":{"region":{"rcode":"02117102","doCode":"0200000000","doName":"경기도","siCode":"0211700000","siName"
```



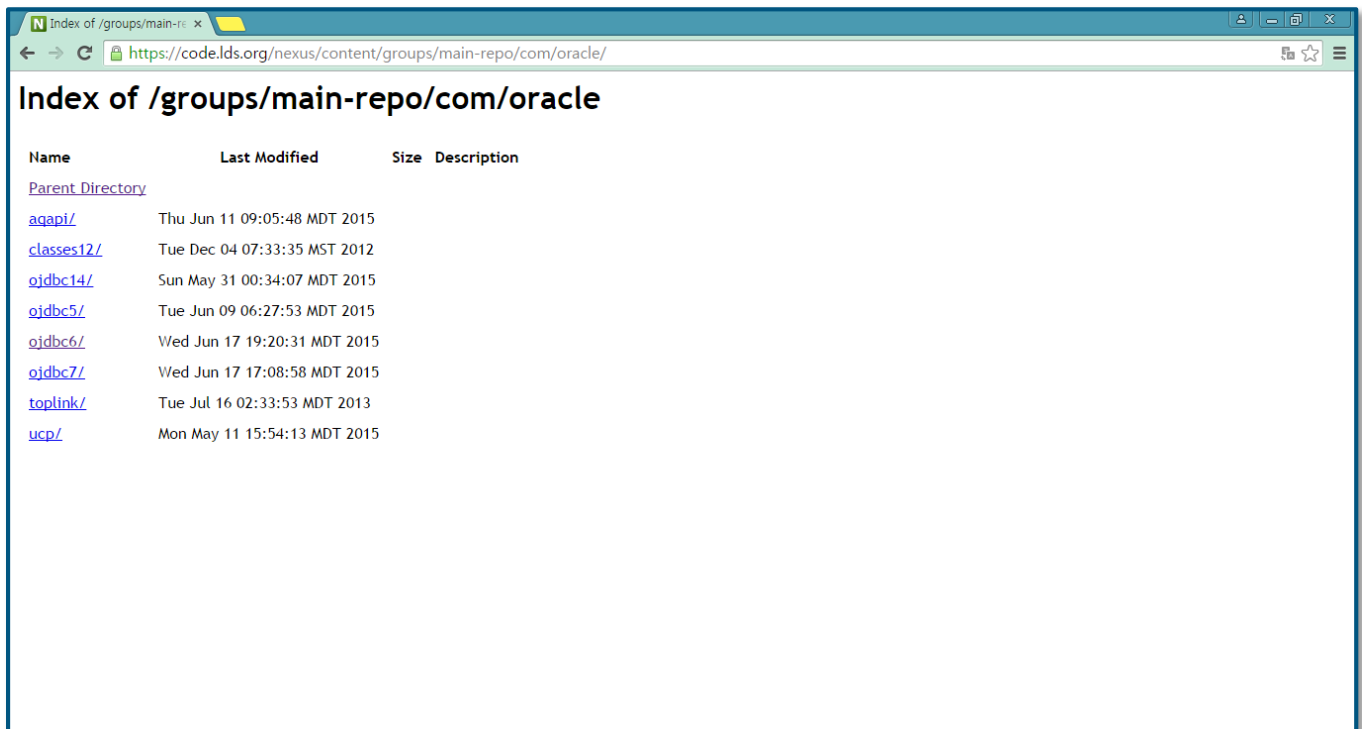
4. 외부 저장소

4.1 ojdbc6.jar

Maven 중앙 저장소에 없어서 외부 저장소를 추가해서 사용

4.2 사이트 확인

<https://code.lds.org/nexus/content/groups/main-repo/>



4.1.1 pom.xml 에 외부 저장소 추가

```
<repositories>
  <repository>
    <id>codeids</id>
    <url>https://code.lds.org/nexus/content/groups/main-repo</url>
  </repository>
</repositories>
```

4.1.2 dependency 추가

```
<dependency>
  <groupId>com.oracle</groupId>
  <artifactId>ojdbc6</artifactId>
  <version>12.1.0.2</version>
</dependency>
```

4.3 결과

