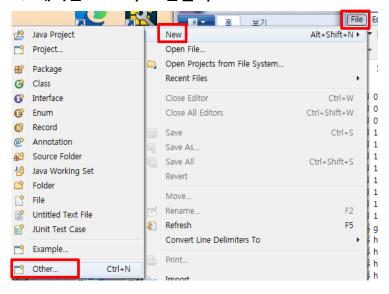
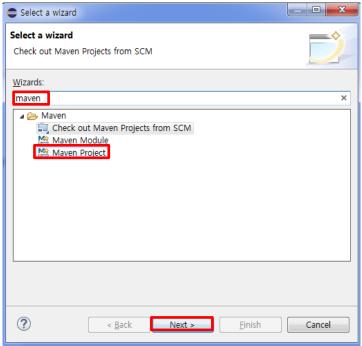
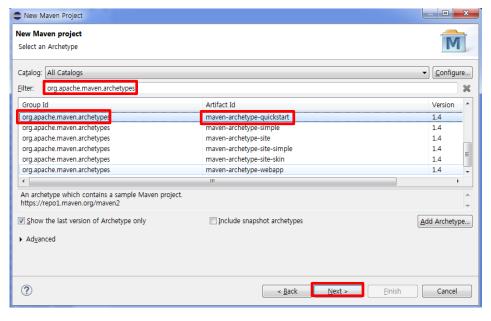
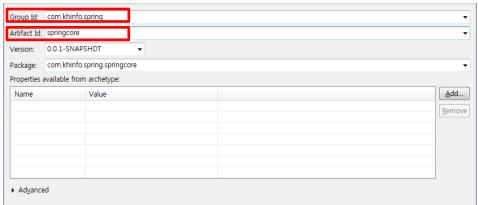
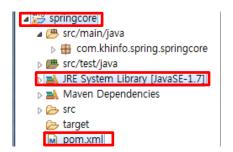
# 1. 메이븐 프로젝트 만들기

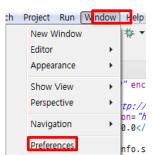


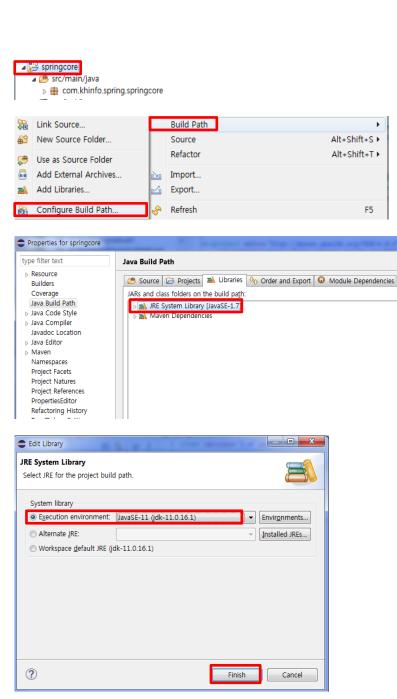












- - X

<> → <> → 8

Add JARs...

Add External JARs...

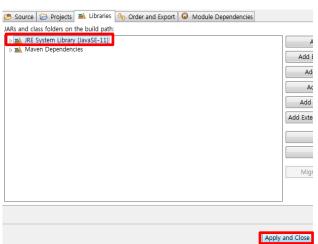
Add <u>V</u>ariable...

Add Library...

Add Class Folder...

Add External Class Folder...

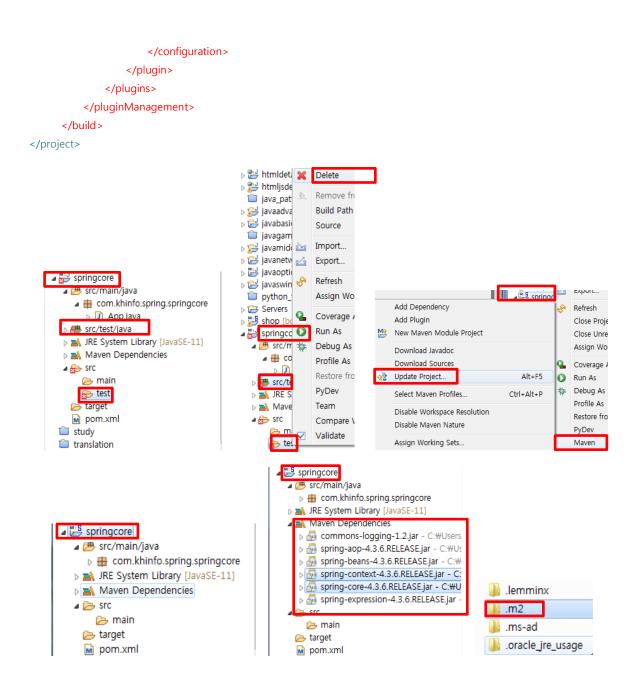
<u>E</u>dit...



```
C:#Windows#system32#CMD.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corpora
C:#Users#UIP>javac -version
javac 11.0.16.1
C:#Users#UIP>_
```

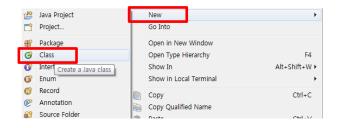
#### pom.xml

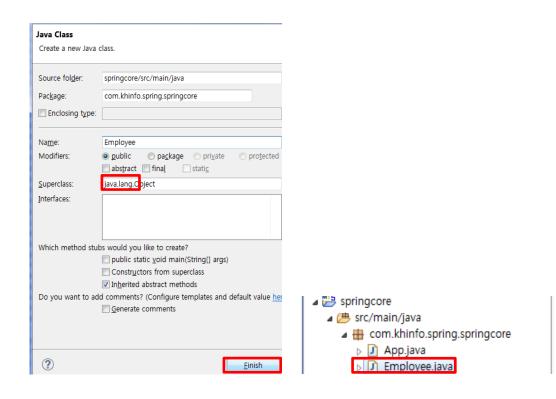
```
<?xml version= "1.0" encoding= "UTF-8"?>
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
 <modelVersion>4.0.0</modelVersion>
   <groupId>com.khinfo.spring</groupId>
   <artifactld>springcore</artifactld>
   <version>0.0.1-SNAPSHOT</version>
   <packaging>jar</packaging>
   <name>springcore</name>
   <url>http://maven.apache.org</url>
   cproperties>
       <springframework.version>4.3.6.RELEASE/springframework.version>
   </properties>
   <dependencies>
       <dependency>
           <groupId>org.springframework
           <artifactld>spring-core</artifactld>
           <version>${springframework.version}</version>
       </dependency>
       <dependency>
           <groupId>org.springframework</groupId>
           <artifactId>spring-context</artifactId>
           <version>${springframework.version}</version>
       </dependency>
   </dependencies>
   <build>
       <plu><pluginManagement></pl>
           <plugins>
              <plugin>
                  <groupId>org.apache.maven.plugins</groupId>
                  <artifactId>maven-compiler-plugin</artifactId>
                  <version>3.8.0</version>
                  <configuration>
                      <source>11</source>
                      <target>11</target>
```



## 2. 자바빈 생성

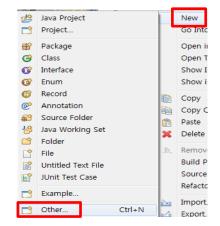
- 2.1 DI에 대한 3단계
  - 가. POJO(Plain Old Java Object) 클래스 만들기



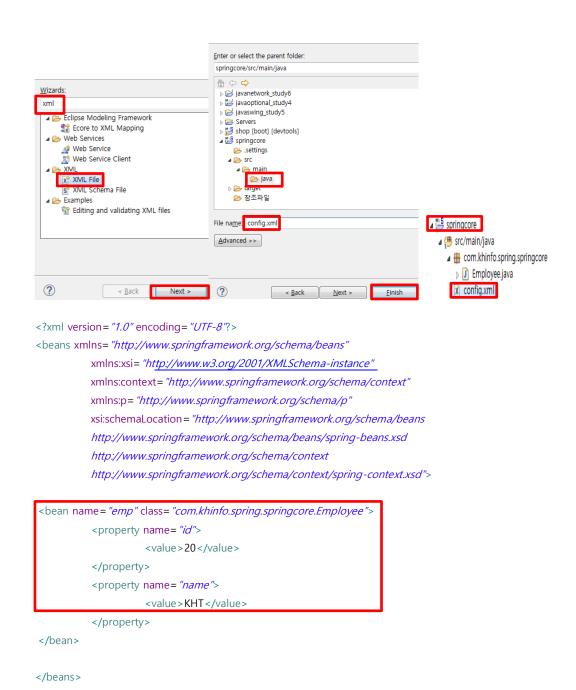


```
☑ Employee.java ⋈
                                                                     package com.khinfo.spring.springcore;
                                                                     public class Employee {
                                                                          private int id;
private String name;
                                                                          public int getId() {
    return id;
                                                                 10
                                                                 11
12⊝
                                                                          public void setId(int id) {
    this.id = id;
                                                                 13
                                                                 14
15
16⊝
                                                                          public String getName() {
                                                                 17
18
19
                                                                               return name;
🚺 Employee.java 💢
      package com.khinfo.spring.springcore;
                                                                20⊖
21
22
23
24 }
                                                                          public void setName(String name)
                                                                               this.name = name;
      public class Employee {
  5
```

## 나. 설정파일 만들기







#### 다. 테스트 클래스 만들기

# 3. p 스키마 또는 p 네임스페이스 사용

## 4. 레퍼런스 타입

```
Student ———— Scores

Double maths;

Double physics;

Double chemistry;
```

```
public class Scores [
                                                                                             private Double maths;
private Double physics;
private Double chemistry;
                                                                                             public Double getMaths() {
    return maths;
                                                                                             public void setMaths(Double maths) {
    this.maths = maths;
                                                                                             }
Studentjava 🛭 🛽 Scoresjava
1 package com.springcore.setterInjection.reftypes;
                                                                                             public Double getPhysics() {
    return physics;
                                                                               18
19
20
21 =>
22
23
24
25 =>
26
27
28
29 =>
30
31
32
}
   public class Student {
                                                                                             public void setPhysics(Double physics) {
   this.physics = physics;
}
         private Scores scores;
         public Scores getScores() {
    return scores;
                                                                                             public Double getChemistry() {
    return chemistry;
         public void setScores(Scores scores) {
               this.scores = scores;
                                                                                             public void setChemistry(Double chemistry) {
                                                                                                   this.chemistry = chemistry;
```



# 5. 레퍼런스 타입: 속성과 P 스키마

```
📝 reftypesconfig.xml 🗯 🗾 Test.java
  1 <?xml version="1.0" encoding="UTF-8"?>
2⊖ <beans xmlns="http://www.springframework.org/schema/beans"
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xmlns:context="http://www.springframework.org/schema/context"
          xmlns:p="http://www.springframework.org/schema/p"
          xsi:schemaLocation="http://www.springframework.org/schema/beans
   6
          http://www.springframework.org/schema/beans/spring-beans.xsd
          http://www.springframework.org/schema/context
   8
          http://www.springframework.org/schema/context/spring-context.xsd">
  9
  10
  11
          kbean name="scores
  12
               class="com.springcore.setterInjection.reftypes.Scores"
  13
               p:maths="80" p:physics="90" p:chemistry="70" />
  14
  156
               <bean name="student"</pre>
  16
               class="com.springcore.setterInjection.reftypes.Student"
               cproperty name="scores">
  17€
                   <ref bean="scores" />
  18
  19
               </property>
  20
          </bean> -->
  21
 22€
               <bean name="student
              class="com.springcore.setterInjection.reftypes.Student"
cproperty name="scores" ref="scores" />
  23
  24
 25
          </bean> -->
 26
 27
          Kbean name="student
              class="com.springcore.setterInjection.reftypes.Student" p:scores-ref="scores" />
 28
  29
 30
     </beans>
```

# 6. 과제

```
ShoppingCart ——— Item
id int
name String
price double
quantity int
```