```
1. Dependency Check 준비
Dependency Check
           Prescription
                   int id:
                   String patientName;
Test.java
             🔊 config.xml 🚺 Prescription.java 🖂
     package com.springcore.dependencycheck;
    import java.util.List;
  5 public class Prescription {
        private int id;
private String patientName;
private List<String> medicines;
        public int getId() {
    return id;
 12
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29
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319
        public void setId(int id) {
   this.id = id;
        public String getPatientName() {
    return patientName;
        public void setPatientName(String patientName) {
            this.patientName = patientName;
        public List<String> getMedicines() {
    return medicines;
        public void setMedicines(List<String> medicines) {
   this.medicines = medicines;
 32
33
34
35@
        public String toString() {
    return "Prescription [id=" + id + ", patientName=" + patientName + ", medicines=" + medicines"
 38
39 }
Prescription.java
   1 package com.springcore.dependencycheck;
   30 import org.springframework.context.ApplicationContext;
   {\tt 4} \verb| import org.springframework.context.support.ClassPathXmlApplicationContext;\\
   6
      public class Test {
   8
           private static ApplicationContext context;
  10⊝
           public static void main(String[] args) {
               context = new ClassPathXmlApplicationContext(
    "com/springcore/dependencycheck/config.xml");
  12
                Prescription prescription = (Prescription) context.getBean("prescription");
  13
               System. out. println(prescription);
  14
  15
  16
                  🔊 config.xml 🛭 🚺 Prescription.java
  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"
    4
             xmlns:context="http://www.springframework.org/schema/context"
             xmlns:p="http://www.springframework.org/schema/p"
    5
             xsi:schemaLocation="http://www.springframework.org/schema/beans
             http://www.springframework.org/schema/beans/spring-beans.xsd
    8
             http://www.springframework.org/schema/context
             http://www.springframework.org/schema/context/spring-context.xsd">
  10
                     아무런 설정도 하지 않음
```

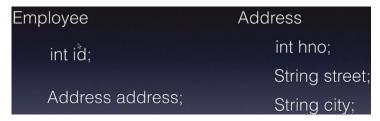
11 </beans>

2. Dependency Check 실행

```
☑ Test.java ☑ config.xml ☑ Prescription.java ⋈
             package com.springcore.dependencycheck;
       3⊖import java.util.List;
     5 import org.springframework.beans.factory.annotation.Required;
           public class Prescription {
                        private int id:
                       private Int Id,
private String patientName;
private List<String> medicines;
                      public int getId() {
    return id;
   15
                     @Required
public void setId(int id) {
   19
                                  this.id = id;
   20
                        public String getPatientName() {
                                  return patientName;
   26⊖
                        public void setPatientName(String patientName) {
   27
                                   this.patientName = patientName;
   28
   29
   30⊝
                                                                                                                                                                                             Markers 🔲 Properties 🚜 Servers 🗯 Data Source Explorer 📔
                        public List<String> getMedicines() {
   31
32
                                  return medicines;
   33
                       public void setMedicines(List<String> medicines) {
   34⊖
                                                                                                                                                                                            <terminated> Test (8) [Java Application] D:\Java\jdk-11.0.16.1\bin\ja
   35
                                  this.medicines = medicines;
                                                                                                                                                                                             4월 06, 2023 8:41:13 오후 org.springframework.context.s
                        }
   36
   37
                                                                                                                                                                                            INFO: Refreshing org.springframework.context.support.Cl
   38⊝
                       public String toString() {
    return "Prescription [id=" + id + ", patientName=" + patientName" + patientName=" + patientName" + patientName=" + patientName=
                                                                                                                                                                                            4월 06, 2023 8:41:14 오후 org.springframework.beans.fac
                                                                                                                                                                                            INFO: Loading XML bean definitions from class path reso
   40
                                                                                                                                                                                           Prescription [id=0, patientName=null, medicines=null]
 42 }
                                                                                                                                                                                                                 에러 없이 required 필드 id를 0으로 초기화만 해줌
```

3. 내부빈(inner bean)

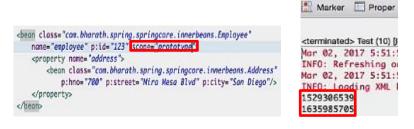
▲ ⊕ com.springcore.innerbeans



- 4. 빈 스코프
- 가. 싱글톤(singleton): 빈을 하나만 생성(**default**)



나. 프로토타입(prototype): 생성요청마다 하나씩 생성



5. 과제

