1. 인터페이스 주입



3. 테스트

```
📝 Test.java 🛚
 1 package com.springcoreadvanced.injecting.interfaces;
 3⊖ import org.springframework.context.ApplicationContext;
  4 import org.springframework.context.support.ClassPathXmlApplicationContext;
                                                                        🥷 Problems 🏿 @ Javadoc 📵 Declaration 📃 Coi
 6 public class Test {
 8
       private static ApplicationContext context;
                                                                        <terminated> Test (19) [Java Application] D:\Java\j
                                                                        4월 09, 2023 4:33:00 오전 org.springfram
       public static void main(String[] args) {
 10⊝
                                                                        INFO: Refreshing org.springframework.com
           context = new ClassPathXmlApplicationContext(
                                                                        4월 09, 2023 4:33:00 오전 org.springfram
                  "com/springcoreadvanced/injecting/interfaces/config.xml");
 12
                                                                        INFO: Loading XML bean definitions from
           OrderBO bo = (OrderBO) context.getBean("bo");
                                                                        Inside Order BO
 14
           bo.placeOrder();
                                                                        Inside Orde<u>r DAO createOrder(</u>)
 16
```

4. 구현체 변경

```
🛛 config.xml 📗 OrderDAOImpl2.java 🛭
                                       package com.springcoreadvanced.injecting.interfaces;
# com.springcoreadvanced.injecting.interfaces
                                        3 public class OrderDAOImpl2 implements OrderDAO {
  ▶ I OrderBO.java
  DorderBOImpl.java
  DrderDAO.java
                                      5⊝
                                             @Override
  D OrderDAOImpl.iava
                                             public void createOrder() {
 System.out.println("Inside OrderDAOImpl2 createOrder");
  8
   x config.xml
                                        9 }
   <br/>bean
                                                                  🥋 Problems 🏿 @ Javadoc 📵 Declaration
      class="com.springcoreadvanced.injecting.interfaces.OrderDAOImpl"
      name= "dao" />
                                                                  <terminated> Test (19) [Java Application] [
      class="com.springcoreadvanced.injecting.interfaces.OrderDAOImpl2
                                                                  4월 09, 2023 4:44:26 오전 org.spr.
                                                                  INFO: Refreshing org.springframew
                                                                  4월 09, 2023 4:44:26 오전 org.spr.
      class="com.springcoreadvanced.injecting.interfaces.OrderBOImpl"
                                                                  INFO: Loading XML bean definition
                                                                  Inside Order BO
      cproperty name= "dao' ref= "dao2' /property>
                                                                 Inside OrderDAOImpl2 createOrder
```

5. 애노테이션 사용

```
🚺 OrderBOImpl.java 💢 🚺 OrderDAOImpl.java 🔃 config.>
    package com.springcoreadvanced.injecting.intert
  3@ import org.springframework.beans.factory.annota
   import org.springframework.stereotype.Component
    public class OrderBOImpl implements OrderBO {
 8
       @Autowired
 90
 10
        private OrderDAO dao:
                                                  11
                                                      package com.springcoreadvanced.injecting.interfaces;
 12⊝
        public void placeOrder() {
            System. out.println("Inside Order BO");
 14
                                                     import org.springframework.stereotype.Component;
 15
            dao.createOrder();
16
                                                     public class OrderDAOImpl implements OrderDAO {
18⊝
        public OrderDAO getDao() {
 19
           return dao;
20
                                                   8⊝
                                                   9
                                                         public void createOrder() {
        public void setDao(OrderDAO dao) {
220
                                                             System.out.println("Inside Order DAO createOrder()");
                                                  10
23
            this.dao = dao;
 24
                                                  12 }
25 }
```

```
OrderBOImpl.java
                     OrderDAOImpl.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"
 5
         xmlns:util="http://www.springframework.org/schema/util"
 6
         xmlns:p="http://www.springframework.org/schema/p"
         xmlns:c="http://www.springframework.org/schema/c"
 8
         xsi:schemaLocation="http://www.springframework.org/schema/beans
 Q
         http://www.springframework.org/schema/beans/spring-beans.xsd
         http://www.springframework.org/schema/context
 10
         http://www.springframework.org/schema/context/spring-context.xsu
 11
         http://www.springframework.org/schema/util
 12
 13
         http://www.springframework.org/schema/util/spring-util.xsd">
 14
         <context:component-scan</pre>
 15
16
             base-package="com.springcoreadvanced.injecting.interfaces
 17
18⊝
         <!-- <bean class="com.springcoreadvanced.injecting.interfaces.Or
             name="dao" /> <bean class="com.springcoreadvanced.injecting.
name="dao2" /> <bean class="com.springcoreadvanced.injecting</pre>
 19
 20⊝
             name="bo"> <property name="dao" ref="dao2"></property> </bea
 21
22
23 </beans>
```

org.springframework.beans.factory.NoSuchBeanDefinitionException: No bean named 'bo' available

