Using ,IOC we have achieved DI.

Greet

Private String message;

In this case I am doing DI using setter methods

**Setter Injection**

**Ex:**

**Employee**

**{**

**Id , name, Address**

**}**

**Address{**

**City, state, country**

**}**

Reference Type 🡪

Let’s take an example

A

B

Dependency Injection can be done using two ways.

1. Setter Injection (Property Injection)

Setter injection is also called property injection and we will have to create setters for setting values.

1. Constructor Injection :-

We may face issue of ambiguity but it can be solved by specifying data type.

Lifecycle of Bean

For Bean we follow a lifecycle and for Bean lifecycle we have two methods.

Public void init(){

}

Public void destroy(){

} IOC container

Bean

destroy

init

config

We can implement Lifecycle of Bean by three ways

1. By using xml
2. Using Interface
3. Annotation
4. By using xml 🡪
5. In bean tag of xml we will have to Use init-method to specify name of init method, destroy-method – to specify the name of destroy method
6. We will have to close context object for that we will have to use/call registerShutdownHook();. For getting this method we will have to use AbstractApplicationContext interface.
7. Using Interface – for implementing life cycle of Bean using interfaces we got two interfaces
8. InitializingBean – abstract method
9. DisposableBean – abstract method
10. Annotation 🡪

We have two annotations

1. @PostConstruct
2. @PreConstruct

Note🡪

While implementing Bean lifecycle using Annotation we have to be add two things.

1. So in order to implement we will have to add jar or add dependency in POM.xml if we are working with maven project. Javax-annotation
2. In config.xml file we will have to enable annotation using a tag

<context:annotation-config/>

<?xml version="1.0" encoding="UTF-8"?>

<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"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-3.0.xsd

http://www.springframework.org/schema/context

http://www.springframework.org/schema/context/spring-context-3.0.xsd">

<context:annotation-config/>

</beans>