Create Maven Project

Add below dependencies into pom.xml file

--Spring-Core

--Spring-context

Create Employee & Address interface

**ContractbasedEmp.java file**

package com.psl.training;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.beans.factory.annotation.Qualifier;

import org.springframework.beans.factory.annotation.Value;

import org.springframework.context.annotation.ComponentScan;

import org.springframework.stereotype.Component;

@Component("contractbasedEmp")

@ComponentScan(basePackages = "com.psl.training")

public class ContractbasedEmp implements Employee {

@Value("123")

private int id;

@Value("Bhagyashri")

private String name;

@Autowired

@Qualifier("permanatAddress")

private Address address;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public Address getAddress() {

return address;

}

public void setAddress(Address address) {

this.address = address;

}

public void getemp() {

System.out.println(address);

}

@Override

public String toString() {

return "ContractbasedEmp [id=" + id + ", name=" + name + ", address=" + address + "]";

}

}

RegularEmp.java file

package com.psl.training;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.beans.factory.annotation.Qualifier;

import org.springframework.context.annotation.ComponentScan;

import org.springframework.stereotype.Component;

@Component("regularEmp")

@ComponentScan(basePackages = "com.psl.training")

public class RegularEmp implements Employee {

private int id;

private String name;

@Autowired

@Qualifier("currentAddress")

private Address address;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public Address getAddress() {

return address;

}

public void setAddress(Address address) {

this.address = address;

}

/\*

\* @Override public String toString() { return "RegularEmp [id=" + id +

\* ", name=" + name + ", address=" + address + "]"; }

\*/

public void getemp() {

System.out.println(address);

}

}

CurrentAddress.java file

package com.psl.training;

import org.springframework.context.annotation.ComponentScan;

import org.springframework.stereotype.Component;

@Component("currentAddress")

@ComponentScan(basePackages = "com.psl.training")

public class CurrentAddress implements Address {

private String cityname;

private String streetname;

private int pincode;

public String getCityname() {

return cityname;

}

public void setCityname(String cityname) {

this.cityname = cityname;

}

public String getStreetname() {

return streetname;

}

public void setStreetname(String streetname) {

this.streetname = streetname;

}

public int getPincode() {

return pincode;

}

public void setPincode(int pincode) {

this.pincode = pincode;

}

@Override

public String toString() {

return "CurrentAddress [cityname=" + cityname + ", streetname=" + streetname + ", pincode=" + pincode + "]";

}

}

PermanatAddress.java file

package com.psl.training;

import org.springframework.beans.factory.annotation.Value;

import org.springframework.context.annotation.ComponentScan;

import org.springframework.stereotype.Component;

@Component("permanatAddress")

@ComponentScan(basePackages = "com.psl.training")

public class PermanatAddress implements Address {

@Value("Pune")

private String cityname;

@Value("HJ-Road")

private String streetname;

@Value("41108")

private int pincode;

public String getCityname() {

return cityname;

}

public void setCityname(String cityname) {

this.cityname = cityname;

}

public String getStreetname() {

return streetname;

}

public void setStreetname(String streetname) {

this.streetname = streetname;

}

public int getPincode() {

return pincode;

}

public void setPincode(int pincode) {

this.pincode = pincode;

}

@Override

public String toString() {

return "PermanatAddress [cityname=" + cityname + ", streetname=" + streetname + ", pincode=" + pincode + "]";

}

}

Main.java file

package com.psl.training;

import org.springframework.context.ApplicationContext;

import org.springframework.context.annotation.AnnotationConfigApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class Main {

public static void main(String[] args) {

// TODO Auto-generated method stub

// creating spring container

ApplicationContext context = new ClassPathXmlApplicationContext("configuration.xml");

Employee e = context.getBean("contractbasedEmp", Employee.class);

System.out.println(e);

}

}

Config.xml file

<?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.xsd*

*http://www.springframework.org/schema/context http://www.springframework.org/schema/context/spring-context.xsd"*> <!-- bean definitions here -->

<context:component-scan base-package=*"com.psl.training"*></context:component-scan>

</beans>