Spring :

Employee Class:

**package** com.deere.spring;

**public** **class** Employee {

**private** **int** id;

**private** String fname;

**private** String lname;

**private** Address addr;

**public** Employee() {

System.***out***.println("inside constructor");

}

**public** Employee(**int** id, String fname, String lname, Address addr) {

**super**();

**this**.id = id;

**this**.fname = fname;

**this**.lname = lname;

**this**.addr = addr;

}

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

System.***out***.println("inside set id");

}

**public** String getFname() {

**return** fname;

}

**public** **void** setFname(String fname) {

**this**.fname = fname;

System.***out***.println("inside set first name");

}

**public** String getLname() {

**return** lname;

}

**public** **void** setLname(String lname) {

**this**.lname = lname;

System.***out***.println("inside set last name");

}

**public** Address getAddr() {

**return** addr;

}

**public** **void** setAddr(Address addr) {

**this**.addr = addr;

System.***out***.println("inside set addr");

}

@Override

**public** String toString() {

**return** "Employee [id=" + id + ", fname=" + fname + ", lname=" + lname + ", addr=" + addr.toString() + "]";

}

}

Address Class:

**package** com.deere.spring;

**public** **class** Address {

**private** String city;

**private** **int** zip;

**public** Address() {

**super**();

System.***out***.println("inside address constructor");

}

**public** Address(String city, **int** zip) {

**super**();

**this**.city = city;

**this**.zip = zip;

System.***out***.println("Inside parameterized constructor of address");

}

**public** String getCity() {

**return** city;

}

**public** **void** setCity(String city) {

**this**.city = city;

System.***out***.println("inside city");

}

**public** **int** getZip() {

**return** zip;

}

**public** **void** setZip(**int** zip) {

**this**.zip = zip;

System.***out***.println("inside zip");

}

@Override

**public** String toString() {

**return** "Address [city=" + city + ", zip=" + zip + "]";

}

}

Beans.xml:

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

<beans xmlns=*"http://www.springframework.org/schema/beans"*

xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xsi:schemaLocation=*"http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans.xsd"*>

<bean id = *"e1"* class=*"com.deere.spring.Employee"* scope=*"prototype"*>

<property name=*"id"* value=*"101"*></property>

<property name=*"fname"* value=*"Dipti"*></property>

<property name=*"lname"* value=*"Jain"*></property>

<property name=*"addr"* ref=*"a1"*></property>

</bean>

<bean id = *"a1"* class=*"com.deere.spring.Address"*>

<property name=*"city"* value=*"Pune"*></property>

<property name=*"zip"* value=*"411013"*></property>

</bean>

</beans>

Main class :

**package** com.deere.spring;

**import** org.omg.CORBA.portable.ApplicationException;

**import** org.springframework.context.ApplicationContext;

**import** org.springframework.context.support.ClassPathXmlApplicationContext;

**public** **class** MainClass {

**public** **static** **void** main(String[] args) {

ApplicationContext context = **new** ClassPathXmlApplicationContext("beans.xml");

Employee emp = context.getBean("e1", Employee.**class**);

System.***out***.println(emp);

Employee emp2 = context.getBean("e1", Employee.**class**);

System.***out***.println(emp2);

}

}