Main class:

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class Drawing {

public static void main(String[] args) {

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

Triangle1 obj =(Triangle1)context.getBean("Triangle");

obj.draw();

}

}

Class with ApllicationContextAware interface

import org.springframework.beans.BeansException;

import org.springframework.beans.factory.BeanNameAware;

import org.springframework.context.ApplicationContext;

import org.springframework.context.ApplicationContextAware;

public class Triangle1 implements ApplicationContextAware, BeanNameAware {

private Point pointA;

private Point pointB;

private Point pointC;

private ApplicationContext context =null;

public Point getPointA() {

return pointA;

}

public void setPointA(Point pointA) {

this.pointA = pointA;

}

public Point getPointB() {

return pointB;

}

public void setPointB(Point pointB) {

this.pointB = pointB;

}

public Point getPointC() {

return pointC;

}

public void setPointC(Point pointC) {

this.pointC = pointC;

}

public void draw() {

System.out.println("Triangle drawn with ");

System.out.println("point A =("+getPointA().getX()+", "+getPointA().getY()+")");

System.out.println("point B =("+getPointB().getX()+", "+getPointB().getY()+")");

System.out.println("point C =("+getPointC().getX()+", "+getPointC().getY()+")");

}

@Override

public void setApplicationContext(ApplicationContext context) throws BeansException

{

this.context=context;

}

@Override

public void setBeanName(String beanName) {

System.out.println( "BeanName is " + beanName);

}

}

Create a point class

public class Point {

private int x;

private int y;

public int getX() {

return x;

}

public void setX(int x) {

this.x = x;

}

public int getY() {

return y;

}

public void setY(int y) {

this.y = y;

}

}

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"

xsi:schemaLocation="

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

<bean id="Triangle" class="spring1.Triangle1">

<property name ="pointA">

<bean class="spring1.Point">

<property name="x" value="0"/>

<property name="y" value="1"/>

</bean>

</property>

<property name="pointB">

<bean class ="spring1.Point">

<property name="x" value="20"/>

<property name="y" value="10"/>

</bean>

</property>

<property name ="pointC">

<bean class="spring1.Point">

<property name="x" value="30"/>

<property name ="y" value ="40"/>

</bean>

</property>

</bean>

</beans>

output:

BeanName is Triangle

Triangle drawn with

point A =(0, 1)

point B =(20, 10)

point C =(30, 40)