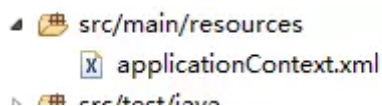


# Spring配置：常用数据类型注入

Dependence Injection 依赖注入, 是在Spring IOC(控制反转)中为所创建对象属性赋值的方式，以下介绍常用的注入方式。

首先将Spring引入配置信息展示以下：

Spring配置信息, 一般取名为 applicationContext.xml.



命名图

```
<?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">
</beans>
```

首先我们先创建一个学生类，并写相应属性：

```
public class Student {
    private List<Address> address;
    private int age;
    private String gender;
    private List<String> hobbies;
    private int id;
    private String name;
    private Address[] address1;
    private Map<String, Integer> teach;
```

Student类

直接看代码，更加容易理解，注意对应着属性类型去看。

```

<bean id="address1" class="com.itqf.student.Address">
    <property name="province" value="上海"></property>
    <property name="city" value="上海"></property>
    <property name="area" value="宝山区"></property>
</bean>
<bean id="address2" class="com.itqf.student.Address">
    <property name="province" value="北京"></property>
    <property name="city" value="平坛"></property>
    <property name="area" value="高新区"></property>
</bean>
<bean id="address3" class="com.itqf.student.Address">
    <property name="province" value="江苏"></property>
    <property name="city" value="徐州"></property>
    <property name="area" value="云龙区"></property>
</bean>

```

1

```

<!--Student student = new Student() -->
<bean id="student" class="com.itqf.student.Student">
    <property name="id" value="1001" />
    <property name="name" value="詹三" />
    <property name="age" value="18" />
    <property name="gender" value="公" />

    <!-- 基本数据类型 -->
    <property name="salary">|
        <array>
            <value>1000</value>
            <value>2000</value>
            <value>3000</value>
        </array>
    </property>

    <!-- 基本数据类型 -->
    <property name="hobbys">
        <list>
            <value>唱歌</value>
            <value>跳舞</value>
            <value>书法</value>
        </list>
    </property>

```

2

```
<!-- 引用数据类型 -->
<property name="Address">
    <list>
        <ref bean="address1" />
        <ref bean="address2" />
        <ref bean="address3" />
    </list>
</property>

<!-- 引用数据类型 -->
<property name="address1">
    <array>
        <ref bean="address1" />
        <ref bean="address2" />
        <ref bean="address3" />
    </array>
</property>
<property name="teach">
    <map>
        <entry key="英语" value="11"></entry>
        <entry key="语文" value="2222"></entry>
        <entry key="数学" value="333"></entry>
    </map>
</property>
</bean>
```