



Spring Core –Constructor and Setter Injection



Presented by



Constructor Injection

Scenario : **Employee HAS-A Address.**

We can inject the dependency(Address) by constructor.

When using constructor injection, **setters are not used !**

The **<constructor-arg>** sub element of **<bean>** tag is used for constructor injection.

```
<bean id= "/lasya " class= "com.mycompany.springcore.setterinjection.Employee ">  
  <constructor-arg value= "10" type= "int"></constructor-arg>  
  <constructor-arg value= "Lasya " type= "String"></constructor-arg>  
</bean>
```

**** Example**



Setter Injection

Scenario : **Employee HAS-A Address.**

The **Address** class object will be termed as the **Dependent** object.

The **Employee** class object will be termed as the **Dependency**

```
<bean id= "address" class= "com.mycompany.springcore.setterinjection.Address">  
<property name= "city" value= "Bangalore"></property>  
<property name= "state" value= "Karnataka"></property>  
<property name= "street" value= "Road No. 1"></property>  
</bean>
```

```
<bean id= "lasya" class= "com.mycompany.springcore.setterinjection.Employee">  
<property name= "id" value= "116"></property>  
<property name= "name" value= "Lasya"></property>  
<property name= "address" ref= "address"></property>  
</bean>
```

**** Example**



Collection Injection - Set

```
<bean id= "cityBean" class= "com.mycompany.springcore.collectionsinjection.City">
```

```
<!-- java.util.Set -->
```

```
<property name= "citySet">
```

```
<set>
```

```
<value>Bangalore</value>
```

```
<value>Pune</value>
```

```
</set>
```

```
</property>
```

```
</bean>
```

**** Example**



Collection Injection - List

```
<bean id= "cityBean" class= "com.mycompany.springcore.collectionsinjection.City">
```

```
<!-- java.util.List -->
```

```
<property name= "citySet">
```

```
<list>
```

```
<value>Bangalore</value>
```

```
<value>Pune</value>
```

```
</list>
```

```
</property>
```

```
</bean>
```

**** Example**



