

## 3 Steps to DI

Create the POJO

·Create the configuration file·

Create a test class

## Collection Types

List

Set

Map

Properties

## List

```
<bean>
  <property name="productId">
    <list>
      <value>10 </value>
      <value> 20 </value>
      <null/>
```

## Set

```
<bean>
  <property name="productId">
    <set>
      <value>10 </value>
      <value> 20 </value>
```

## Map

```
<bean>
  <property name="productsInOrder">
    <map>
      <entry key="100" value="iPhone" />
```



## Properties

```
<bean>  
  <property name="languages">  
    <props>  
      <prop key="USA">English</prop>
```

## List

Hospital

Spring Bean

String name

Configuration File

List<String> departments

Test Class

## Set

CarDealer

Spring Bean

String name

Configuration File

List<String> models

Test Class



Map

Customer

int id;

Map<Integer,String> products;

Properties

Languages

Properties countryAndLangs;

## Reference Types

A  $\xrightarrow{\text{HAS - A}}$  B

B b;

```
<bean class="B" name="b"/>
```

```
<bean class="A" name="a">
```

```
<property name="b">
```

```
<ref bean="b"/>
```

```
</property>
```

```
</bean>
```

# Ref Types

Student —————> Scores

Double maths;  
Double physics;  
Double chemistry;

Setter Injection

Setter Methods

Three Steps:


Creates the Spring Beans

Create the Spring Configuration File

Use the Spring Bean from the container



# Setter Injection

ShoppingCart  Item

id	int
name	String
price	double
quantity	int