| **Injection Style** | **XML Syntax** | **What Spring Does** | **Required Java Code** |
| --- | --- | --- | --- |
| **Setter Injection**  **(Primitive Value)** | <property name="age" value="30"/> | Creates the bean with default constructor → calls setAge(30) | public class Dev {  private int age;  public void setAge(int age) {  this.age = age;  }  } |
| **Setter Injection**  **(Bean Reference)** | <property name="laptop" ref="lap"/> | Creates the bean with default constructor → calls setLaptop(laptopBean) | public class Dev {  private Laptop laptop;  public void setLaptop(Laptop laptop) {  this.laptop = laptop;  }  } |
| **Constructor Injection**  **(Primitive Value)** | <constructor-arg name="age" value="30"/> or  <constructor-arg index="0" value="30"/> | Calls constructor with primitive value passed in | public class Dev {  private int age;  public Dev(int age) {  this.age = age;  }  } |
| **Constructor Injection**  **(Bean Reference)** | <constructor-arg ref="lap"/> | Calls constructor with a bean dependency passed in | public class Dev {  private Laptop laptop;  public Dev(Laptop laptop) {  this.laptop = laptop;  }  } |

* <property> → Always **setter injection**.
* <constructor-arg> → Always **constructor injection**.
* Use **ref** for beans, **value** for primitives.