Product Class

**package** org.software.com;

**public** **class** Product {

**private** String productId;

**private** String productName;

**private** **double** price;

**public** Product(String productId, String productName, **double** price) {

**this**.productId = productId;

**this**.productName = productName;

**this**.price = price;

}

**public** String getProductId() {

**return** productId;

}

**public** String getProductName() {

**return** productName;

}

**public** **double** getPrice() {

**return** price;

}

}

Battery Class

**package** org.software.com;

**public** **class** Battery **extends** Product {

**private** **boolean** rechargeable;

**public** Battery(String productId, String productName, **double** price, **boolean** rechargeable) {

**super**(productId, productName, price);

**this**.rechargeable = rechargeable;

}

**public** **boolean** isRechargeable() {

**return** rechargeable;

}

}

Disc Class

**package** org.software.com;­­­­

**public** **class** Disc **extends** Product {

**private** **int** capacity;

**public** Disc(String productId, String productName, **double** price, **int** capacity) {

**super**(productId, productName, price);

**this**.capacity = capacity;

}

**public** **int** getCapacity() {

**return** capacity;

}

}

product.xml

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<beans xmlns=*"http://www.springframework.org/schema/beans"*

xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xmlns:context=*"http://www.springframework.org/schema/context"*

xsi:schemaLocation=*"http://www.springframework.org/schema/beans*

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

*http://www.springframework.org/schema/context*

*http://www.springframework.org/schema/context/spring-context-3.0.xsd"*>

<bean id=*"battery"* class=*"org.software.com.Battery"*>

<constructor-arg name=*"productId"* value=*"P001"*/>

<constructor-arg name=*"productName"* value=*"BatteryCharge"*/>

<constructor-arg name=*"price"* value=*"2999"*/>

<constructor-arg name=*"rechargeable"* value=*"true"*/>

</bean>

<bean id=*"disc"* class=*"org.software.com.Disc"*>

<constructor-arg name=*"productId"* value=*"P002"*/>

<constructor-arg name=*"productName"* value=*"Disc 4"*/>

<constructor-arg name=*"price"* value=*"999.9"*/>

<constructor-arg name=*"capacity"* value=*"5000"*/>

</bean>

</beans>

TestProduct Class

**package** org.software.com;

**import** org.springframework.context.ApplicationContext;

**import** org.springframework.context.support.ClassPathXmlApplicationContext;

**public** **class** TestProduct {

**public** **static** **void** main(String[] args) {

ApplicationContext context = **new** ClassPathXmlApplicationContext("product.xml");

Battery battery = context.getBean("battery", Battery.**class**);

Disc disc = context.getBean("disc", Disc.**class**);

System.***out***.println(battery.getProductId());

System.***out***.println(battery.getProductName());

System.***out***.println(disc.getPrice());

System.***out***.println(battery.isRechargeable());

System.***out***.println(disc.getProductId());

System.***out***.println(disc.getProductName());

System.***out***.println(disc.getPrice());

System.***out***.println(disc.getCapacity());

}

}

pom.xml

<project xmlns=*"http://maven.apache.org/POM/4.0.0"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd"*>

<modelVersion>4.0.0</modelVersion>

<groupId>org.jsp</groupId>

<artifactId>SpringDemo</artifactId>

<version>0.0.1-SNAPSHOT</version>

<dependencies>

<!-- https://mvnrepository.com/artifact/org.springframework/spring-context -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>5.3.18</version>

</dependency>

</dependencies>

</project>