**Day 35\_Java Assignments**

**1. Problem Description:**

ApplicationContext context = new ClassPathXmlApplicationContext(“be an Config.xml”);

Dog tommy = (Dog) context.getBean(“dog”);

Dog pluto = (Dog) context.getBean(“dog”);

**2. My Solution:**

**package** com.main;

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

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

**import** com.example.Dog;

**public** **class** MainClass {

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

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

Dog tommy = (Dog) context.getBean("tommy");

Dog pluto = (Dog) context.getBean("pluto");

// Use the retrieved beans

System.***out***.println("1st Dog's name: " + tommy.getName() + "; Breed: " + tommy.getBreed());

System.***out***.println("2nd Dog's name: " + pluto.getName() + "; Breed: " + pluto.getBreed());

((ClassPathXmlApplicationContext) context).close();

}

}

Dog class:

**package** com.example;

**public** **class** Dog {

**private** String name;

**private** String breed;

// Constructors

**public** Dog(String name, String breed) {

**this**.name = name;

**this**.breed = breed;

}

// Getters and setters

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** String getBreed() {

**return** breed;

}

**public** **void** setBreed(String breed) {

**this**.breed = breed;

}

}

Config.xml file:  
<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">

<bean id="tommy" class="com.example.Dog">

<!-- Constructor-arg to set values for the Dog bean -->

<constructor-arg name="name" value="Tommy" />

<constructor-arg name="breed" value="Labrador" />

</bean>

<bean id="pluto" class="com.example.Dog">

<!-- Constructor-arg to set values for the Dog bean -->

<constructor-arg name="name" value="Pluto" />

<constructor-arg name="breed" value="Golden Retriever" />

</bean>

</beans>

pom.xml file:

<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>com.surya</groupId>

<artifactId>DailyAssignment</artifactId>

<version>0.0.1-SNAPSHOT</version>

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

<dependencies>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>5.3.24</version>

</dependency>

</dependencies>

</project>