**Create static employee list data using spring xml configuration**   
  
Follow steps below to accomplish this activity: 

* Incorporate the following in employee.xml:
  + Create one or two more departments
  + Create four more instances of Employee.  (use employee sample data from angular)
  + Reuse existing skills instead of creating new ones
  + Include all four employee instances in an ArrayList.

* In EmployeeDao, incorporate the following:
  + Create static variable with name EMPLOYEE\_LIST of type ArrayList<Employee>
  + Include constructor that reads employee list from xml config and set the EMPLOYEE\_LIST
  + Create method getAllEmployees() that returns the EMPLOYEE\_LIST

### **Source Code:**

### **employee.xml:**

<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">

<!-- Employee Beans -->

<bean id="employee1" class="com.cognizant.springlearn.model.Employee">

<property name="id" value="1"/>

<property name="name" value="John Doe"/>

<property name="salary" value="50000"/>

<property name="permanent" value="true"/>

<property name="dateOfBirth">

<bean class="java.util.Date">

<constructor-arg value="1990/01/01"/>

</bean>

</property>

<property name="department" value="HR"/>

</bean>

<bean id="employee2" class="com.cognizant.springlearn.model.Employee">

<property name="id" value="2"/>

<property name="name" value="Jane Smith"/>

<property name="salary" value="55000"/>

<property name="permanent" value="false"/>

<property name="dateOfBirth">

<bean class="java.util.Date">

<constructor-arg value="1992/05/05"/>

</bean>

</property>

<property name="department" value="IT"/>

</bean>

<bean id="employee3" class="com.cognizant.springlearn.model.Employee">

<property name="id" value="3"/>

<property name="name" value="Mark Johnson"/>

<property name="salary" value="60000"/>

<property name="permanent" value="true"/>

<property name="dateOfBirth">

<bean class="java.util.Date">

<constructor-arg value="1989/11/12"/>

</bean>

</property>

<property name="department" value="Finance"/>

</bean>

<bean id="employee4" class="com.cognizant.springlearn.model.Employee">

<property name="id" value="4"/>

<property name="name" value="Anna Brown"/>

<property name="salary" value="62000"/>

<property name="permanent" value="true"/>

<property name="dateOfBirth">

<bean class="java.util.Date">

<constructor-arg value="1985/03/14"/>

</bean>

</property>

<property name="department" value="IT"/>

</bean>

<bean id="employee5" class="com.cognizant.springlearn.model.Employee">

<property name="id" value="5"/>

<property name="name" value="Emily Davis"/>

<property name="salary" value="45000"/>

<property name="permanent" value="false"/>

<property name="dateOfBirth">

<bean class="java.util.Date">

<constructor-arg value="1995/07/25"/>

</bean>

</property>

<property name="department" value="Marketing"/>

</bean>

<bean id="employee6" class="com.cognizant.springlearn.model.Employee">

<property name="id" value="6"/>

<property name="name" value="David Wilson"/>

<property name="salary" value="70000"/>

<property name="permanent" value="true"/>

<property name="dateOfBirth">

<bean class="java.util.Date">

<constructor-arg value="1982/10/10"/>

</bean>

</property>

<property name="department" value="HR"/>

</bean>

<bean id="employeeList" class="java.util.ArrayList">

<constructor-arg>

<list>

<ref bean="employee1"/>

<ref bean="employee2"/>

<ref bean="employee3"/>

<ref bean="employee4"/>

<ref bean="employee5"/>

<ref bean="employee6"/>

</list>

</constructor-arg>

</bean>

<!-- Department Beans -->

<bean id="hrDepartment" class="com.cognizant.springlearn.model.Department">

<property name="name" value="HR"/>

</bean>

<bean id="itDepartment" class="com.cognizant.springlearn.model.Department">

<property name="name" value="IT"/>

</bean>

<bean id="financeDepartment" class="com.cognizant.springlearn.model.Department">

<property name="name" value="Finance"/>

</bean>

<bean id="marketingDepartment" class="com.cognizant.springlearn.model.Department">

<property name="name" value="Marketing"/>

</bean>

</beans>

### **EmployeeDao.java:**

### package com.cognizant.springlearn.dao;

import java.util.ArrayList;

import java.util.List;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

import com.cognizant.springlearn.model.Employee;

public class EmployeeDao {

private static List<Employee> EMPLOYEE\_LIST;

public EmployeeDao() {

ApplicationContext context = new ClassPathXmlApplicationContext("employee.xml");

EMPLOYEE\_LIST = (List<Employee>) context.getBean("employeeList");

}

public List<Employee> getAllEmployees() {

return EMPLOYEE\_LIST;

}

}

**OUTPUT:**

Employee [id=1, name=John Doe, salary=50000.0, permanent=true, dateOfBirth=Mon Jan 01 00:00:00 UTC 1990, department=HR]

Employee [id=2, name=Jane Smith, salary=55000.0, permanent=false, dateOfBirth=Tue May 05 00:00:00 UTC 1992, department=IT]

Employee [id=3, name=Mark Johnson, salary=60000.0, permanent=true, dateOfBirth=Sun Nov 12 00:00:00 UTC 1989, department=Finance]

Employee [id=4, name=Anna Brown, salary=62000.0, permanent=true, dateOfBirth=Thu Mar 14 00:00:00 UTC 1985, department=IT]

Employee [id=5, name=Emily Davis, salary=45000.0, permanent=false, dateOfBirth=Tue Jul 25 00:00:00 UTC 1995, department=Marketing]

Employee [id=6, name=David Wilson, salary=70000.0, permanent=true, dateOfBirth=Sun Oct 10 00:00:00 UTC 1982, department=HR]