**Create static employee list data using spring xml configuration**

**Employee.java**

package com.example.model;  
  
import java.util.List;  
  
public class Employee {  
 private int id;  
 private String name;  
 private double salary;  
 private boolean permanent;  
 private Department department;  
 private List<Skill> skills;  
  
 public int getId() { return id; }  
 public void setId(int id) { this.id = id; }  
  
 public String getName() { return name; }  
 public void setName(String name) { this.name = name; }  
  
 public double getSalary() { return salary; }  
 public void setSalary(double salary) { this.salary = salary; }  
  
 public boolean isPermanent() { return permanent; }  
 public void setPermanent(boolean permanent) { this.permanent = permanent; }  
  
 public Department getDepartment() { return department; }  
 public void setDepartment(Department department) { this.department = department; }  
  
 public List<Skill> getSkills() { return skills; }  
 public void setSkills(List<Skill> skills) { this.skills = skills; }  
}

**Department.java**

package com.example.model;  
  
public class Department {  
 private int id;  
 private String name;  
  
 public int getId() { return id; }  
 public void setId(int id) { this.id = id; }  
  
 public String getName() { return name; }  
 public void setName(String name) { this.name = name; }  
}

**Skill.java**

package com.example.model;  
  
public class Skill {  
 private int id;  
 private String name;  
  
 public int getId() { return id; }  
 public void setId(int id) { this.id = id; }  
  
 public String getName() { return name; }  
 public void setName(String name) { this.name = name; }  
}

**EmployeeDao.java**

package com.example.dao;  
  
import com.example.model.Employee;  
import org.springframework.context.ApplicationContext;  
import org.springframework.context.support.ClassPathXmlApplicationContext;  
import java.util.ArrayList;  
  
public class EmployeeDao {  
 private static ArrayList<Employee> EMPLOYEE\_LIST;  
  
 public EmployeeDao() {  
 ApplicationContext context = new ClassPathXmlApplicationContext("employee.xml");  
 EMPLOYEE\_LIST = (ArrayList<Employee>) context.getBean("employeeList");  
 }  
  
 public ArrayList<Employee> getAllEmployees() {  
 return EMPLOYEE\_LIST;  
 }  
}

**EmployeeController.java**

package com.example.controller;  
  
import com.example.dao.EmployeeDao;  
import com.example.model.Employee;  
import org.springframework.web.bind.annotation.GetMapping;  
import org.springframework.web.bind.annotation.RestController;  
  
import java.util.List;  
  
@RestController  
public class EmployeeController {  
 private final EmployeeDao employeeDao;  
  
 public EmployeeController() {  
 this.employeeDao = new EmployeeDao();  
 }  
  
 @GetMapping("/employees")  
 public List<Employee> getAllEmployees() {  
 return employeeDao.getAllEmployees();  
 }  
}

**EmployeeXmlDemoApplication.java**

package com.example;  
  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
  
@SpringBootApplication  
public class EmployeeXmlDemoApplication {  
 public static void main(String[] args) {  
 SpringApplication.run(EmployeeXmlDemoApplication.class, args);  
 }  
}

**employee.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"  
 xsi:schemaLocation="  
 http://www.springframework.org/schema/beans  
 https://www.springframework.org/schema/beans/spring-beans.xsd">  
  
 <bean id="department1" class="com.example.model.Department">  
 <property name="id" value="1"/>  
 <property name="name" value="HR"/>  
 </bean>  
  
 <bean id="department2" class="com.example.model.Department">  
 <property name="id" value="2"/>  
 <property name="name" value="Engineering"/>  
 </bean>  
  
 <bean id="skill1" class="com.example.model.Skill">  
 <property name="id" value="1"/>  
 <property name="name" value="Java"/>  
 </bean>  
  
 <bean id="skill2" class="com.example.model.Skill">  
 <property name="id" value="2"/>  
 <property name="name" value="Angular"/>  
 </bean>  
  
 <bean id="employee1" class="com.example.model.Employee">  
 <property name="id" value="101"/>  
 <property name="name" value="Alice"/>  
 <property name="salary" value="60000"/>  
 <property name="permanent" value="true"/>  
 <property name="department" ref="department1"/>  
 <property name="skills">  
 <list><ref bean="skill1"/></list>  
 </property>  
 </bean>  
  
 <bean id="employee2" class="com.example.model.Employee">  
 <property name="id" value="102"/>  
 <property name="name" value="Bob"/>  
 <property name="salary" value="70000"/>  
 <property name="permanent" value="true"/>  
 <property name="department" ref="department2"/>  
 <property name="skills">  
 <list><ref bean="skill1"/><ref bean="skill2"/></list>  
 </property>  
 </bean>  
  
 <bean id="employee3" class="com.example.model.Employee">  
 <property name="id" value="103"/>  
 <property name="name" value="Charlie"/>  
 <property name="salary" value="55000"/>  
 <property name="permanent" value="false"/>  
 <property name="department" ref="department1"/>  
 <property name="skills">  
 <list><ref bean="skill2"/></list>  
 </property>  
 </bean>  
  
 <bean id="employee4" class="com.example.model.Employee">  
 <property name="id" value="104"/>  
 <property name="name" value="Diana"/>  
 <property name="salary" value="80000"/>  
 <property name="permanent" value="true"/>  
 <property name="department" ref="department2"/>  
 <property name="skills">  
 <list><ref bean="skill1"/><ref bean="skill2"/></list>  
 </property>  
 </bean>  
  
 <bean id="employeeList" class="java.util.ArrayList">  
 <constructor-arg>  
 <list>  
 <ref bean="employee1"/>  
 <ref bean="employee2"/>  
 <ref bean="employee3"/>  
 <ref bean="employee4"/>  
 </list>  
 </constructor-arg>  
 </bean>  
</beans>

**Output**





