**ADDITIONAL**  
  
**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">

<!-- Skills -->

<bean id="skill1" class="com.cognizant.springlearn.model.Skill">

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

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

</bean>

<bean id="skill2" class="com.cognizant.springlearn.model.Skill">

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

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

</bean>

<!-- Departments -->

<bean id="dept1" class="com.cognizant.springlearn.model.Department">

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

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

</bean>

<bean id="dept2" class="com.cognizant.springlearn.model.Department">

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

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

</bean>

<!-- Employees -->

<bean id="emp1" class="com.cognizant.springlearn.model.Employee">

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

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

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

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

<property name="department" ref="dept1"/>

<property name="skills">

<list>

<ref bean="skill1"/>

<ref bean="skill2"/>

</list>

</property>

</bean>

<bean id="emp2" class="com.cognizant.springlearn.model.Employee">

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

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

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

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

<property name="department" ref="dept2"/>

<property name="skills">

<list>

<ref bean="skill2"/>

</list>

</property>

</bean>

<!-- Employee List -->

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

<constructor-arg>

<list>

<ref bean="emp1"/>

<ref bean="emp2"/>

</list>

</constructor-arg>

</bean>

<!-- Department List -->

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

<constructor-arg>

<list>

<ref bean="dept1"/>

<ref bean="dept2"/>

</list>

</constructor-arg>

</bean>

</beans>  
  
  
**Employee.java**@Data

@NoArgsConstructor

@AllArgsConstructor

public class Employee {

private int id;

private String name;

private double salary;

private boolean permanent;

private Department department;

private List<Skill> skills;

}  
  
**Department.java**@Data

@NoArgsConstructor

@AllArgsConstructor

public class Department {

private int id;

private String name;

Department(int id,String name)

{

this.id=id;

this.name=name;

}

}  
  
**Skill.java**@Data

@NoArgsConstructor

@AllArgsConstructor

public class Skill {

private int id;

private String name;

Skill(int id,String name)

{

this.id=id;

this.name=name;

}

}  
  
**EmployeeDao.java**  
  
@Component

public class EmployeeDao {

private static List<Employee> EMPLOYEE\_LIST;

public EmployeeDao() {

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

EMPLOYEE\_LIST = context.getBean("employeeList", List.class);

}

public List<Employee> getAllEmployees() {

return EMPLOYEE\_LIST;

}

}  
  
**DepartmentDao.java**

@Component

public class DepartmentDao {

private static List<Department> DEPARTMENT\_LIST;

public DepartmentDao() {

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

DEPARTMENT\_LIST = context.getBean("departmentList", List.class);

}

public List<Department> getAllDepartments() {

return DEPARTMENT\_LIST;

}

}

**EmployeeService.java**

@Service

public class EmployeeService {

@Autowired

private EmployeeDao employeeDao;

@Transactional

public List<Employee> getAllEmployees() {

return employeeDao.getAllEmployees();

}

}  
  
**DepartmentService.java**@Service

public class DepartmentService {

@Autowired

private DepartmentDao departmentDao;

@Transactional

public List<Department> getAllDepartments() {

return departmentDao.getAllDepartments();

}

}  
  
**EmployeeContoller.java**  
  
@RestController

public class EmployeeController {

@Autowired

private EmployeeService employeeService;

@GetMapping("/employees")

public List<Employee> getAllEmployees() {

return employeeService.getAllEmployees();

}

}

**DepartmentController.java**@RestController

public class DepartmentController {

@Autowired

private DepartmentService departmentService;

@GetMapping("/departments")

public List<Department> getAllDepartments() {

return departmentService.getAllDepartments();

}

}