department.xml:

<!-- Add to employee.xml or create a separate department.xml -->

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

<constructor-arg>

<list>

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

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

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

</bean>

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

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

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

</bean>

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

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

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

</bean>

</list>

</constructor-arg>

</bean>

Department.java:

package com.cognizant.springlearn.model;

public class Department {

private int id;

private String name;

// Getters and Setters

}

DepartmentDao.java:

package com.cognizant.springlearn.dao;

import com.cognizant.springlearn.model.Department;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

import org.springframework.stereotype.Repository;

import java.util.ArrayList;

import java.util.List;

@Repository

public class DepartmentDao {

private static List<Department> DEPARTMENT\_LIST;

public DepartmentDao() {

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

DEPARTMENT\_LIST = (ArrayList<Department>) context.getBean("departmentList");

}

public List<Department> getAllDepartments() {

return DEPARTMENT\_LIST;

}

}

**DepartmentService.java**

package com.cognizant.springlearn.service;

import com.cognizant.springlearn.dao.DepartmentDao;

import com.cognizant.springlearn.model.Department;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Service;

import org.springframework.transaction.annotation.Transactional;

import java.util.List;

@Service

public class DepartmentService {

@Autowired

private DepartmentDao departmentDao;

@Transactional

public List<Department> getAllDepartments() {

return departmentDao.getAllDepartments();

}

}

DepartmentController.java:

package com.cognizant.springlearn.controller;

import com.cognizant.springlearn.model.Department;

import com.cognizant.springlearn.service.DepartmentService;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.web.bind.annotation.\*;

import java.util.List;

@RestController

@CrossOrigin(origins = "\*")

public class DepartmentController {

private static final Logger LOGGER = LoggerFactory.getLogger(DepartmentController.class);

@Autowired

private DepartmentService departmentService;

@GetMapping("/departments")

public List<Department> getAllDepartments() {

LOGGER.info("START: getAllDepartments");

List<Department> list = departmentService.getAllDepartments();

LOGGER.info("END: getAllDepartments");

return list;

}

}