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

**Employee.java**

package com.cognizant.springlearn.model;

import java.util.Date;

import java.util.List;

public class Employee {

private int id;

private String name;

private double salary;

private boolean permanent;

private Date dateOfBirth;

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 Date getDateOfBirth() { return dateOfBirth; }

public void setDateOfBirth(Date dateOfBirth) { this.dateOfBirth = dateOfBirth; }

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; }

@Override

public String toString() {

return "Employee [id=" + id + ", name=" + name + ", salary=" + salary +

", permanent=" + permanent + ", dateOfBirth=" + dateOfBirth +

", department=" + department + ", skills=" + skills + "]";

}

}

**Department.java**

package com.cognizant.springlearn.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; }

@Override

public String toString() {

return "Department [id=" + id + ", name=" + name + "]";

}

}

**Skill.java**

package com.cognizant.springlearn.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; }

@Override

public String toString() {

return "Skill [id=" + id + ", name=" + name + "]";

}

}

**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="department" class="com.cognizant.springlearn.model.Department">

<property name="id" value="101"/>

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

</bean>

<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 Boot"/>

</bean>

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

<property name="id" value="1001"/>

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

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

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

<property name="dateOfBirth">

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

</property>

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

<property name="skills">

<list>

<ref bean="skill1"/>

<ref bean="skill2"/>

</list>

</property>

</bean>

</beans>

**EmployeeDao.java**

package com.cognizant.springlearn.dao;

import com.cognizant.springlearn.model.Employee;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class EmployeeDao {

public Employee getEmployee() {

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

return (Employee) context.getBean("employee1");

}

}

**EmployeeController.java**

package com.cognizant.springlearn.controller;

import com.cognizant.springlearn.dao.EmployeeDao;

import com.cognizant.springlearn.model.Employee;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.RestController;

@RestController

public class EmployeeController {

@GetMapping("/employees")

public Employee getEmployeeDetails() {

EmployeeDao dao = new EmployeeDao();

return dao.getEmployee();

}

}

**SpringLearnApplication.java**

package com.cognizant.springlearn;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class SpringLearnApplication {

public static void main(String[] args) {

SpringApplication.run(SpringLearnApplication.class, args);

}

}

**Pom.xml**

<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.cognizant</groupId>

<artifactId>spring-learn</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>spring-learn</name>

<description>Spring Learn Project</description>

<packaging>jar</packaging>

<parent>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-parent</artifactId>

<version>3.2.5</version>

<relativePath/>

</parent>

<properties>

<java.version>17</java.version>

</properties>

<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-security</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

</dependency>

<dependency>

<groupId>io.jsonwebtoken</groupId>

<artifactId>jjwt-api</artifactId>

<version>0.11.5</version>

</dependency>

<dependency>

<groupId>io.jsonwebtoken</groupId>

<artifactId>jjwt-impl</artifactId>

<version>0.11.5</version>

<scope>runtime</scope>

</dependency>

<dependency>

<groupId>io.jsonwebtoken</groupId>

<artifactId>jjwt-jackson</artifactId>

<version>0.11.5</version>

<scope>runtime</scope>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-maven-plugin</artifactId>

</plugin>

</plugins>

</build>

</project>



