# **Problem Statement - Display Employee List and Edit Employee form using RESTful Web Service**

# Java Files

**Employee.java**

package com.cognizant.model;  
  
public class Employee {  
 private int id;  
 private String name;  
 private double salary;  
  
 public Employee() {}  
  
 public Employee(int id, String name, double salary) {  
 this.id = id;  
 this.name = name;  
 this.salary = salary;  
 }  
  
 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;  
 }  
}

**EmployeeController.java**

package com.cognizant.employeeservice.controller;  
  
import com.cognizant.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 List<Employee> employeeList;  
  
 public EmployeeController(List<Employee> employeeList) {  
 this.employeeList = employeeList;  
 }  
  
 @GetMapping("/employees")  
 public List<Employee> getAllEmployees() {  
 return employeeList;  
 }  
}

**ApplicationConfig.java**

package com.cognizant.employeeservice.config;  
  
import com.cognizant.model.Employee;  
import org.springframework.context.annotation.Bean;  
import org.springframework.context.annotation.Configuration;  
import org.springframework.context.support.ClassPathXmlApplicationContext;  
  
import java.util.List;  
  
@Configuration  
public class ApplicationConfig {  
  
 @Bean  
 public List<Employee> employeeList() {  
 ClassPathXmlApplicationContext context = new ClassPathXmlApplicationContext("employees.xml");  
 return context.getBean("employeeList", List.class);  
 }  
}

**EmployeeServiceApplication.java**

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

# **Configuration Files**

**employees.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="employee1" class="com.cognizant.model.Employee">  
 <constructor-arg value="1"/>  
 <constructor-arg value="John"/>  
 <constructor-arg value="50000"/>  
 </bean>  
  
 <bean id="employee2" class="com.cognizant.model.Employee">  
 <constructor-arg value="2"/>  
 <constructor-arg value="Jane"/>  
 <constructor-arg value="60000"/>  
 </bean>  
  
 <bean id="employeeList" class="java.util.ArrayList">  
 <constructor-arg>  
 <list>  
 <ref bean="employee1"/>  
 <ref bean="employee2"/>  
 </list>  
 </constructor-arg>  
 </bean>  
  
</beans>

**Output**



