**Hands on 1:Problem Statement - Display Employee List and Edit Employee form using RESTful Web Service**   
  
In the previous angular module, we developed a screen that lists employees and it was populated with hard coded values. Now this angular application has be changed to get the data from RESTful Web Service developed in Spring. The following are the high level activities that needs to be done to accomplish this: 

* Create static employee list data using spring xml configuration

* Create a REST Service that reads data from xml configuration and returns it

* Make changes in angular component to consume the created REST Service

Once above activities are completed, clicking on the Edit button against each employee should display Edit Employee form with values retrieved from RESTful Web Service. This will also involve activities similar to the one specified above.  
  
NOTE: There is no specific activity as part of this hands on, refer the next hands ons that covers above three activities in detail.

**Employee.java:**

package com.cognizant.spring\_learn.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 void setId(int id) {  
 this.id = id;  
 }  
  
 public int getId() {  
 return id;  
 }  
  
 public void setName(String name) {  
 this.name = name;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public void setSalary(double salary) {  
 this.salary = salary;  
 }  
  
 public double getSalary() {  
 return salary;  
 }  
}

**EmployeeConfig.java:**

package com.cognizant.spring\_learn.config;

import com.cognizant.spring\_learn.model.Employee;

import org.springframework.context.annotation.Bean;

import org.springframework.context.annotation.Configuration;

import java.util.ArrayList;

import java.util.List;

@Configuration

public class EmployeeConfig {

@Bean

public List<Employee> employeeList() {

List<Employee> list = new ArrayList<>();

list.add(new Employee(1, "John", 50000));

list.add(new Employee(2, "Jane", 60000));

list.add(new Employee(3, "Mike", 70000));

return list;

}

}

**EmployeeController.java**

package com.cognizant.spring\_learn.controller;

import com.cognizant.spring\_learn.model.Employee;

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

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

import java.util.List;

@RestController

@RequestMapping("/employees")

public class EmployeeController {

@Autowired

private List<Employee> employeeList;

@GetMapping

public List<Employee> getAllEmployees() {

return employeeList;

}

@GetMapping("/{id}")

public Employee getEmployeeById(@PathVariable int id) {

return employeeList.stream()

.filter(emp -> emp.getId() == id)

.findFirst()

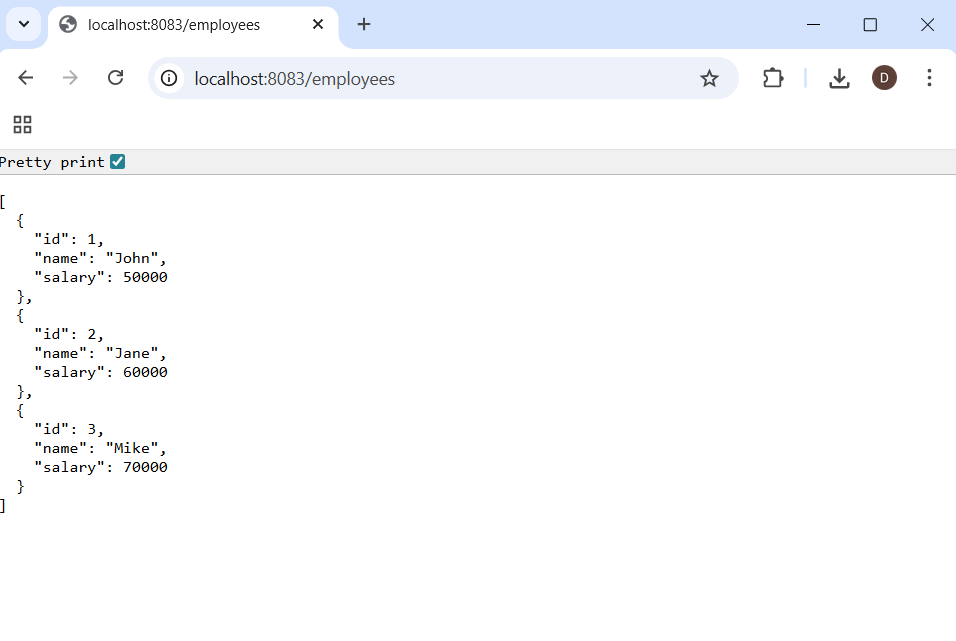
.orElse(null);

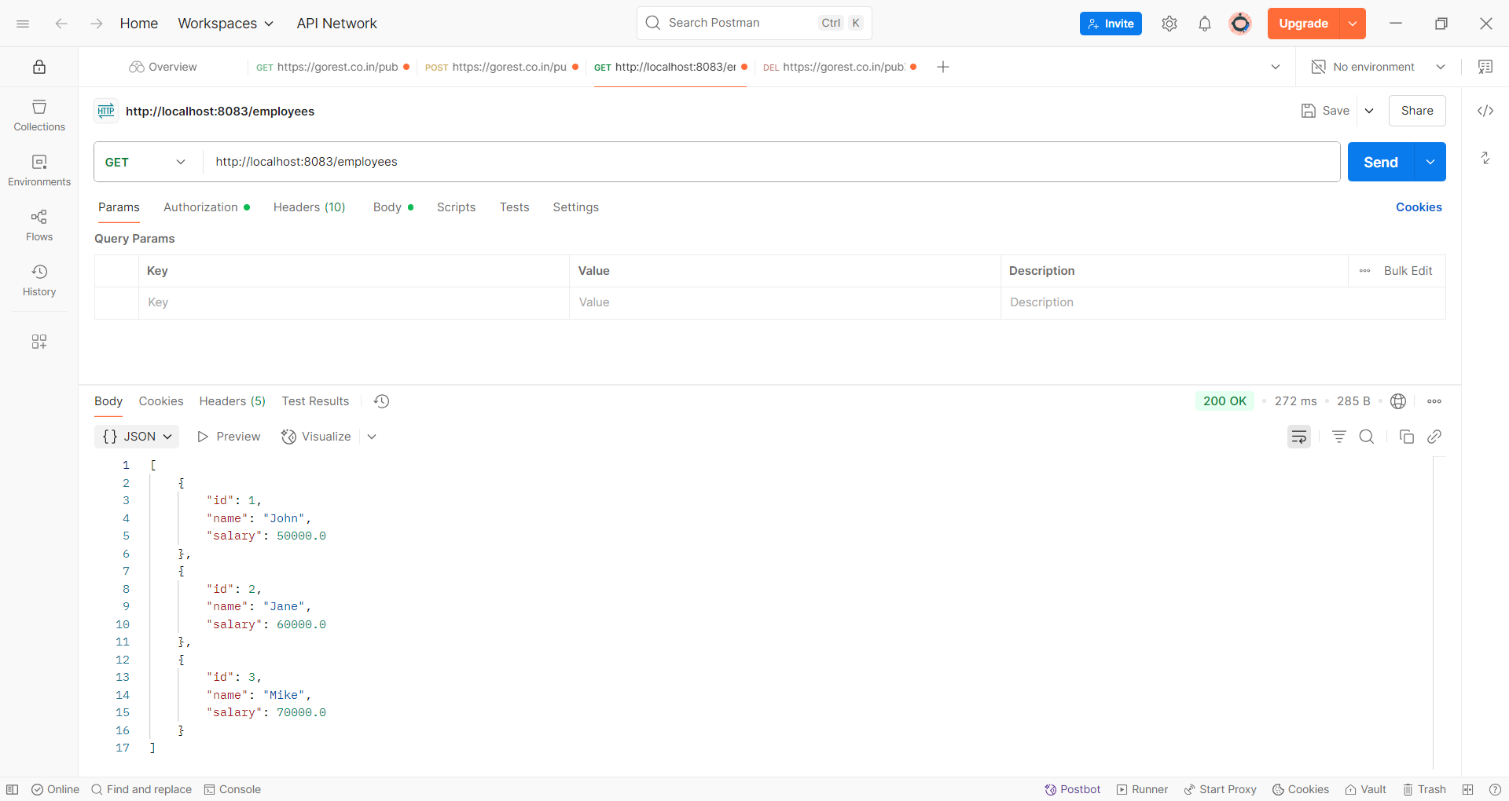
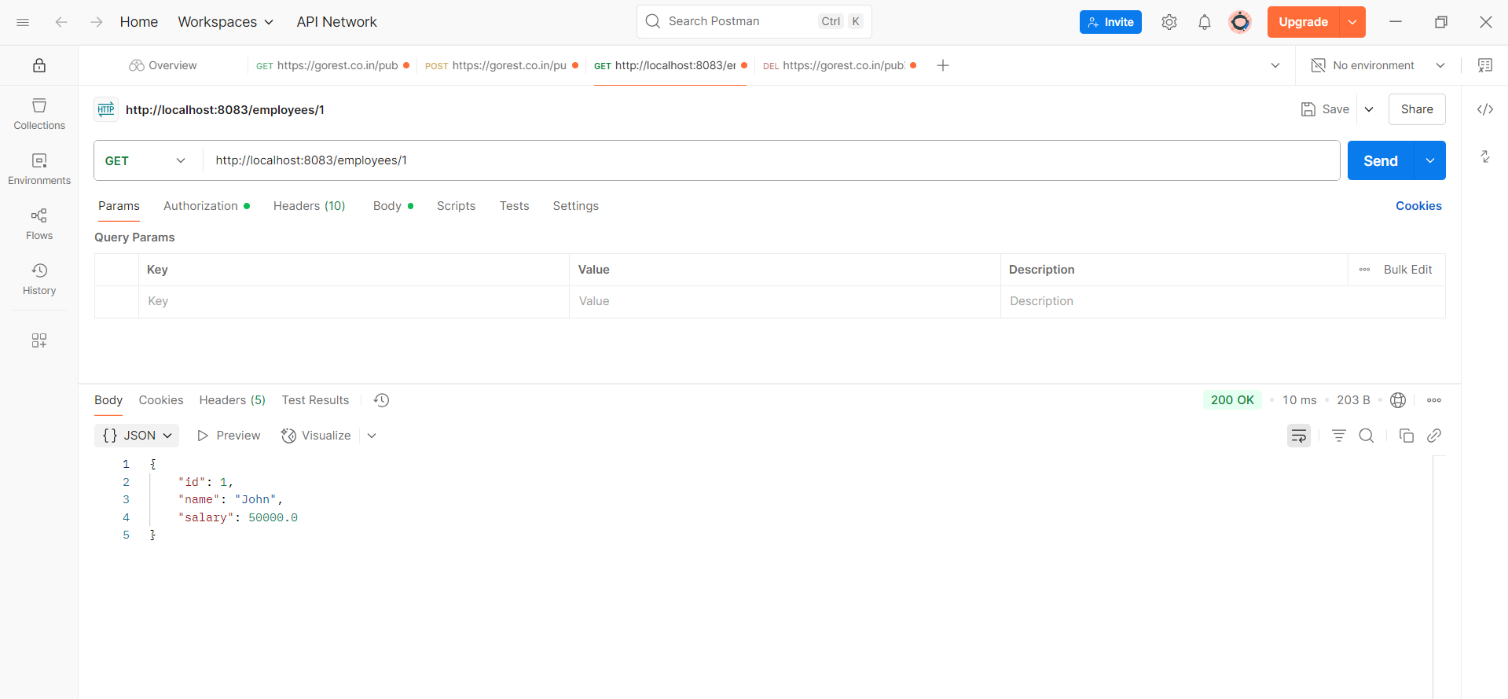
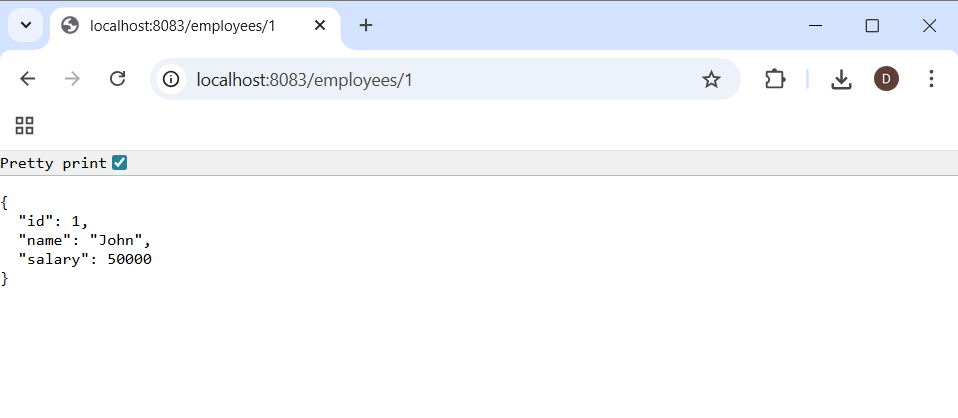
}

}

**SpringLearnApplication.java**

package com.cognizant.spring\_learn;  
  
import com.cognizant.spring\_learn.model.Country;  
import org.slf4j.Logger;  
import org.slf4j.LoggerFactory;  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
import org.springframework.context.ApplicationContext;  
import org.springframework.context.support.ClassPathXmlApplicationContext;  
  
  
@SpringBootApplication  
public class SpringLearnApplication {  
 public static void main(String[] args) {  
 SpringApplication.*run*(SpringLearnApplication.class, args);  
 }  
}

**OUTPUT**

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