**Hands on 3: Create REST service to gets all employees**   
  
Follow steps below to accomplish this activity:  

* In EmployeeService, incorporate the following:
  + Change the annotation for this class from @Component to @Service
  + Create method getAllEmployees() that invokes employeeDao.getAllEmployees() and return the employee list
  + Define @Transactional annotation for this method.

* In EmployeeController, incorporate the following:
  + Include a new get method with name getAllEmployees() that returns the employee list
  + Mark this method as GetMapping annotation with the URL as '/employees'
  + Within this method invoke employeeService.getAllEmployees() and return the same.

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* Test ​the service using postman.

**Solution:**

**EmployeeService.java:**

package com.cognizant.spring\_learn.service;

import com.cognizant.spring\_learn.dao.EmployeeDao;

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

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

import org.springframework.stereotype.Service;

import org.springframework.transaction.annotation.Transactional;

import java.util.List;

@Service // ✅ Changed from @Component to @Service

public class EmployeeService {

@Autowired

private EmployeeDao employeeDao;

@Transactional

public List<Employee> getAllEmployees() {

return employeeDao.getAllEmployees(); // ✅ Call DAO method

}

}

**EmployeeController.java:**

package com.cognizant.spring\_learn.controller;

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

import com.cognizant.spring\_learn.service.EmployeeService;

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

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

import java.util.List;

@RestController

public class EmployeeController {

@Autowired

private EmployeeService employeeService;

@GetMapping("/employees") // ✅ Define endpoint

public List<Employee> getAllEmployees() {

return employeeService.getAllEmployees(); // ✅ Call service

}

}

**EmployeeDao.java:**

package com.cognizant.spring\_learn.dao;

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

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

import org.springframework.stereotype.Repository;

import java.util.List;

@Repository

public class EmployeeDao {

private static List<Employee> EMPLOYEE\_LIST;

public EmployeeDao() {

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

EMPLOYEE\_LIST = (List<Employee>) context.getBean("employeeList");

}

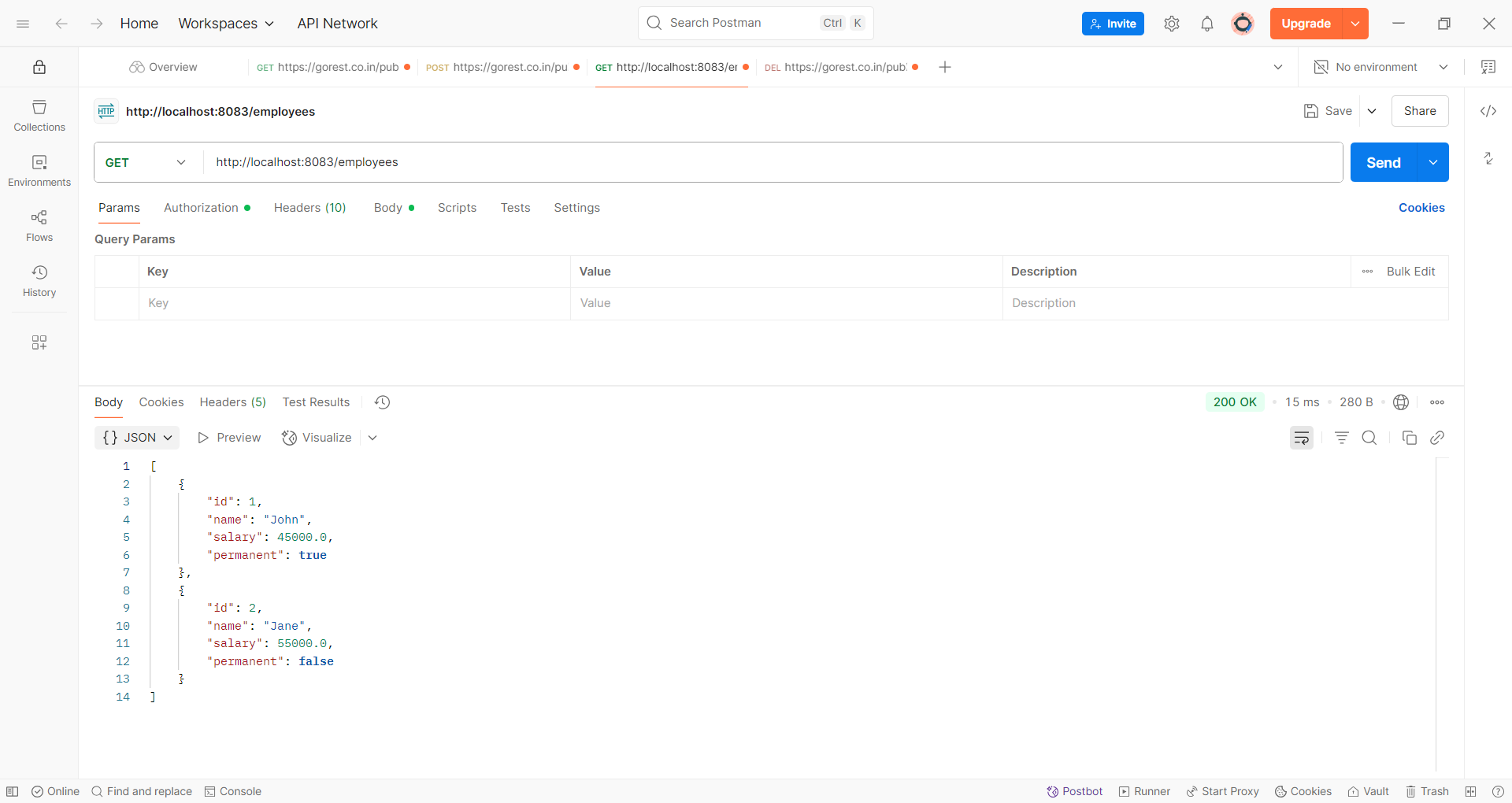
public List<Employee> getAllEmployees() {

return EMPLOYEE\_LIST;

}

}

**OUTPUT:**

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