**Hands on 5 : Get all employees using Native Query**

**OrmLearnApplication.java :-**

package com.cognizant.orm\_learn;

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

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

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

import org.springframework.boot.CommandLineRunner;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import java.util.List;

*@SpringBootApplication*

public class OrmLearnApplication implements CommandLineRunner {

*@Autowired*

private EmployeeService employeeService;

public static void main(String[] args) {

SpringApplication.*run*(OrmLearnApplication.class, args);

}

*@Override*

public void run(String... args) {

List<Employee> employees = employeeService.getAllEmployeesNative();

employees.forEach(System.***out***::println);

}

}

**Employee.java :-**

package com.cognizant.orm\_learn.model;

import jakarta.persistence.Entity;

import jakarta.persistence.GeneratedValue;

import jakarta.persistence.GenerationType;

import jakarta.persistence.Id;

import jakarta.persistence.Table;

*@Entity*

*@Table*(name = "employee")

public class Employee {

*@Id*

*@GeneratedValue*(strategy = *GenerationType*.***IDENTITY***)

private Long id;

private String name;

private Double salary;

private String department;

// Getters and Setters

public Long getId() { return id; }

public void setId(Long 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 String getDepartment() { return department; }

public void setDepartment(String department) { this.department = department; }

*@Override*

public String toString() {

return "Employee{" +

"id=" + id +

", name='" + name + '\'' +

", salary=" + salary +

", department='" + department + '\'' +

'}';

}

}

**EmployeeRepository.java :-**

package com.cognizant.orm\_learn.repository;

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

import org.springframework.data.jpa.repository.Query;

import org.springframework.data.repository.CrudRepository;

import java.util.List;

public interface EmployeeRepository extends CrudRepository<Employee, Long> {

*@Query*(value = "SELECT id, name, salary, department FROM employee", nativeQuery = true)

List<Employee> getAllEmployeesNative();

}

**EmployeeService.java :-**

package com.cognizant.orm\_learn.service;

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

import java.util.List;

public interface EmployeeService {

List<Employee> getAllEmployeesNative();

}

**EmployeeServiceImpl.java :-**

package com.cognizant.orm\_learn.service;

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

import com.cognizant.orm\_learn.repository.EmployeeRepository;

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

import org.springframework.stereotype.Service;

import java.util.List;

*@Service*

public class EmployeeServiceImpl implements EmployeeService {

*@Autowired*

private EmployeeRepository employeeRepository;

*@Override*

public List<Employee> getAllEmployeesNative() {

return employeeRepository.getAllEmployeesNative();

}

}

Application.properties :-

# Logging

logging.level.org.springframework=info

logging.level.com.cognizant=debug

logging.level.org.hibernate.SQL=debug

# DB

spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver

spring.datasource.url=jdbc:mysql://localhost:3306/orm\_learn

spring.datasource.username=root

spring.datasource.password=root

# Hibernate

spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL8Dialect

spring.jpa.hibernate.ddl-auto=none

**Output :-**

