**HANDS ON 2:**

**Get all permanent employees using HQL** 

**Application.properties:**

spring.application.name=orm\_learn

spring.datasource.url=jdbc:h2:mem:orm\_learn;DB\_CLOSE\_DELAY=-1;DB\_CLOSE\_ON\_EXIT=FALSE

spring.datasource.driver-class-name=org.h2.Driver

spring.datasource.username=sa

spring.datasource.password=

spring.h2.console.enabled=true

spring.h2.console.path=/h2-console

spring.jpa.show-sql=true

spring.jpa.properties.hibernate.format\_sql=true

spring.jpa.hibernate.ddl-auto=create

spring.jpa.database-platform=org.hibernate.dialect.H2Dialect

server.port=8080

logging.level.org.hibernate.SQL=DEBUG

logging.level.org.hibernate.type.descriptor.sql.BasicBinder=TRACE

**EmployeeService.java:**

**package** com.cognizant.orm\_learn.service;

**import** com.cognizant.orm\_learn.entities.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** EmployeeService {

@Autowired

**private** EmployeeRepository employeeRepository;

**public** List<Employee> getAllPermanentEmployees() {

**return** employeeRepository.getAllPermanentEmployees();

}

}

EmployeeRepository.java:

**package** com.cognizant.orm\_learn.repository;

**import** com.cognizant.orm\_learn.entities.Employee;

**import** org.springframework.data.jpa.repository.JpaRepository;

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

**import** org.springframework.stereotype.Repository;

**import** java.util.List;

@Repository

**public** **interface** EmployeeRepository **extends** JpaRepository<Employee, Integer> {

@Query("SELECT e FROM Employee e LEFT JOIN FETCH e.department d LEFT JOIN FETCH e.skillList WHERE e.permanent = true")

List<Employee> getAllPermanentEmployees();

}

**OrmLearnApplication.java:**

**package** com.cognizant.orm\_learn;

**import** com.cognizant.orm\_learn.entities.Employee;

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

**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** java.util.List;

@SpringBootApplication

**public** **class** OrmLearnApplication {

**private** **static** **final** Logger ***LOGGER*** = LoggerFactory.*getLogger*(OrmLearnApplication.**class**);

**public** **static** **void** main(String[] args) {

ApplicationContext context = SpringApplication.*run*(OrmLearnApplication.**class**, args);

EmployeeService employeeService = context.getBean(EmployeeService.**class**);

*testGetAllPermanentEmployees*(employeeService);

}

**private** **static** **void** testGetAllPermanentEmployees(EmployeeService employeeService) {

***LOGGER***.info("Start fetching permanent employees");

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

**for** (Employee e : employees) {

***LOGGER***.debug("Employee: {}", e);

***LOGGER***.debug("Department: {}", e.getDepartment());

***LOGGER***.debug("Skills: {}", e.getSkillList());

}

***LOGGER***.info("End fetching permanent employees");

}

}

**OUTPUT:**









