**Exercise 5: Employee Management System - Defining Query Methods**

**Business Scenario:**

Enhance your repository to support custom queries.

**Instructions:**

1. **Defining Query Methods:**
   * Use keywords in method names to create custom query methods.
   * Implement custom query methods using the **@Query** annotation.
2. **Named Queries:**
   * Define and execute named queries with **@NamedQuery** and **@NamedQueries**.

**Answer:**

1. **Derived Query Methods:**

List<Employee> findByDepartmentName(String departmentName);

List<Employee> findByEmailContaining(String emailFragment);

1. **Custom Query Methods Using @Query:**

@Query("SELECT e FROM Employee e WHERE e.name LIKE %:name%")

List<Employee> findByNameContaining(@Param("name") String name);

1. **Named Queries Example:**

@NamedQuery(

name = "Employee.findByDepartmentId",

query = "SELECT e FROM Employee e WHERE e.department.id = :departmentId"

)