**Employee Entity**:

package com.example.employeemanagementsystem.entity;

import lombok.Data;

import lombok.NoArgsConstructor;

import javax.persistence.\*;

@Entity

@Table(name = "employees")

@Data

@NoArgsConstructor

public class Employee {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

private String name;

private String email;

@ManyToOne

@JoinColumn(name = "department\_id", nullable = false)

private Department department;

}

**Department Entity**:

package com.example.employeemanagementsystem.entity;

import lombok.Data;

import lombok.NoArgsConstructor;

import javax.persistence.\*;

import java.util.Set;

@Entity

@Table(name = "departments")

@Data

@NoArgsConstructor

public class Department {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

private String name;

@OneToMany(mappedBy = "department")

private Set<Employee> employees;

}

**Employee Repository**:

package com.example.employeemanagementsystem.repository;

import com.example.employeemanagementsystem.entity.Employee;

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

public interface EmployeeRepository extends JpaRepository<Employee, Long> {

}

**Department Repository**:

package com.example.employeemanagementsystem.repository;

import com.example.employeemanagementsystem.entity.Department;

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

public interface DepartmentRepository extends JpaRepository<Department, Long> {

}

**Main Application Class**:

package com.example.employeemanagementsystem;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class EmployeeManagementSystemApplication {

public static void main(String[] args) {

SpringApplication.run(EmployeeManagementSystemApplication.class, args);

}

}