**Application.properties**

# Primary Data Source (MySQL)

spring.datasource.primary.url=jdbc:mysql://localhost:3306/primarydb

spring.datasource.primary.username=root

spring.datasource.primary.password=password

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

# Secondary Data Source (PostgreSQL)

spring.datasource.secondary.url=jdbc:postgresql://localhost:5432/secondarydb

spring.datasource.secondary.username=postgres

spring.datasource.secondary.password=password

spring.datasource.secondary.driver-class-name=org.postgresql.Driver

**Department.java**

package com.example.EmployeeManagementSystem.entity;

import jakarta.persistence.\*;

import lombok.Data;

import lombok.NoArgsConstructor;

import lombok.AllArgsConstructor;

import java.util.List;

@Data

@NoArgsConstructor

@AllArgsConstructor

@Entity

@Table(name = "departments")

public class Department {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

@Column(name = "name", nullable = false, unique = true)

private String name;

@OneToMany(mappedBy = "department", cascade = CascadeType.ALL, orphanRemoval = true)

private List<Employee> employees;

}

**Employee.java**

package com.example.EmployeeManagementSystem.entity;

import jakarta.persistence.\*;

import lombok.Data;

import lombok.NoArgsConstructor;

import lombok.AllArgsConstructor;

@Data

@NoArgsConstructor

@AllArgsConstructor

@Entity

@Table(name = "employees")

public class Employee {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

@Column(name = "name", nullable = false)

private String name;

@Column(name = "email", nullable = false, unique = true)

private String email;

@ManyToOne(fetch = FetchType.LAZY)

@JoinColumn(name = "department\_id")

private Department department;

}

**2. Database Tables Mapping**

Department: This table relates to the departments table along with the fields id (primary key) and name. It has a one-to-many relationship with Employee.

Employee: Corresponds to the employees table with the fields id, name, email, and department. It has a many-to-one relationship with Department with the foreign key department\_id.