**RLL Project - Employee payroll management-Group 7**

**Database:**

The provided code represents the database schema for an employee payroll management system. Here's an explanation of the complete database schema and how the entities are dependent on each other:

1. Employee Entity (com.employee\_payroll.entities. Employce)

Represents employee details such as name, email, role, category, and gender.

Has relationships with other entities:

One-to-many relationship with Todo entity (schedule of work).

One-to-many relationship with Salary entity (employee's salary history).

One-to-many relationship with Attendance entity (employee's attendance records). One-to-many relationship with User entity (user credentials for authentication).

One-to-many relationship with Leaves entity (employee's leave requests).

2. Todo Entity (com.employee\_payroll.entities. Todo):

Represents tasks assigned to employees.

Includes fields for task status, description, and assignment date. Belongs to an employee through a many-to-one relationship.

3. Salary Entity (com.employee\_payroll.entities.Salary):

Represents salary information, including the credited date and amount.

Belongs to an employee through a many-to-one relationship.

4. Attendance Entity (com.employee\_payroll.entities.Attendance):

Represents attendance records, including date, check-in, check-out, and status. Belongs to an employee through a many-to-one relationship.

5. Leaves Entity (com.employee\_payroll.entities.Leaves):

Represents leave requests, including leave type, start date, end date, and reason.

Belongs to an employee through a many-to-one relationship.

6. User Entity (com.employee\_payroll.entities.User):

Represents user credentials for authentication.

• Belongs to an employee through a one-to-one relationship.

These entities are interconnected through various relationships, allowing for the modeling of complex employee related data in the database. The Employee entity serves as a central point and is associated with all other entities, forming a hierarchy of related data. The relationships are established using foreign keys, enabling efficient, data retrieval and manipulation.

This database schema is designed to store and manage employee information, tasks, attendance, leaves, salaries, and user credentials in a structured and organized manner, making it suitable for a payroll management system,