## **Assignment-2**

1. Show-cased a many-many relationship between student and course through class\_time\_table entity.

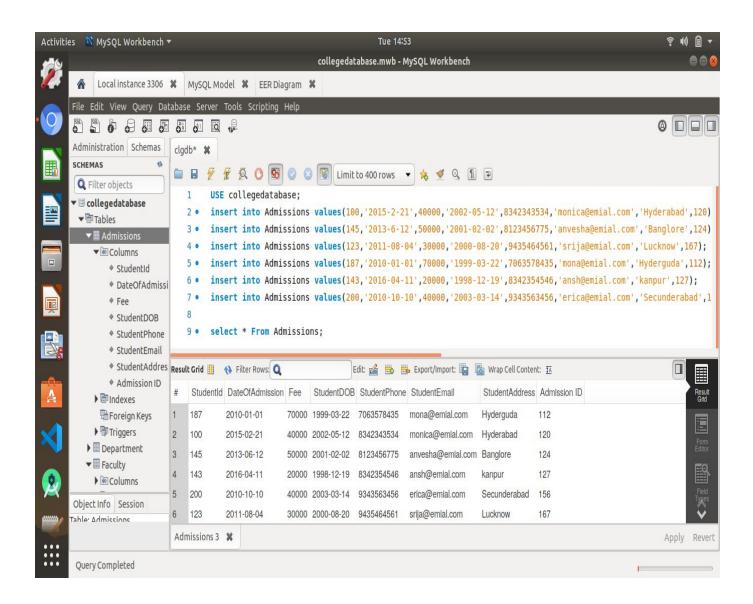
Business rule: one student can enroll in many courses and one course can be enrolled by many students.

2.

- a). Composite key: In class\_time\_table entity primary key is {StudentId,CourseId}.
  - b). Weak entity:

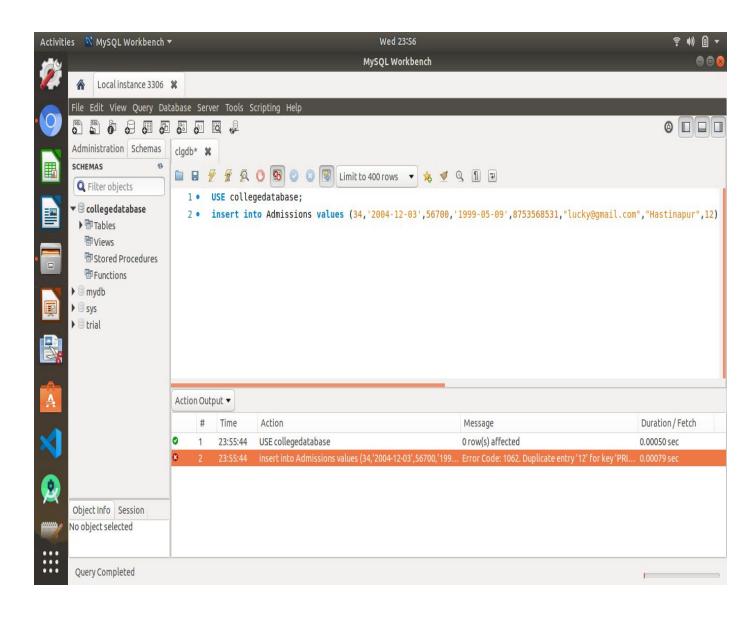
class\_time\_table,feedback,culturalActivities\_and\_sports and Grade\_Report.

3. Inserting values into the table:

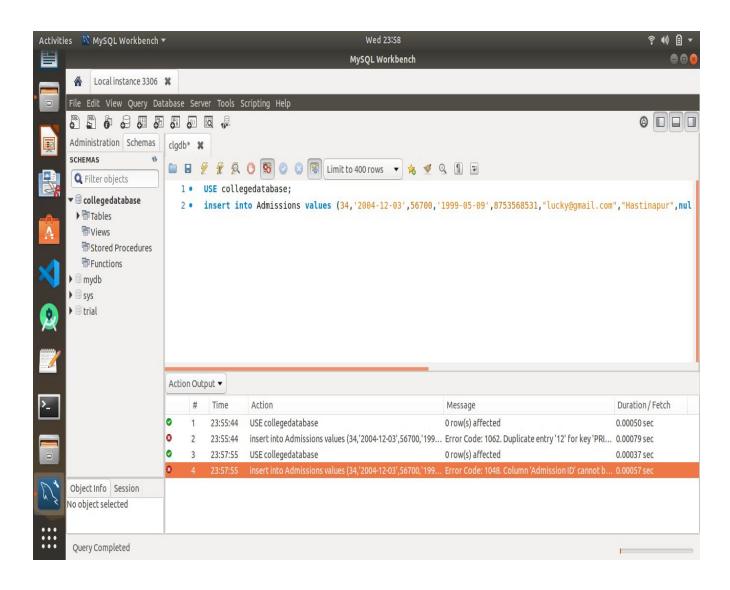


a). Violating Unique constraint of primary key:

Inserting duplicate key into column AdmissionID which is a primary key:

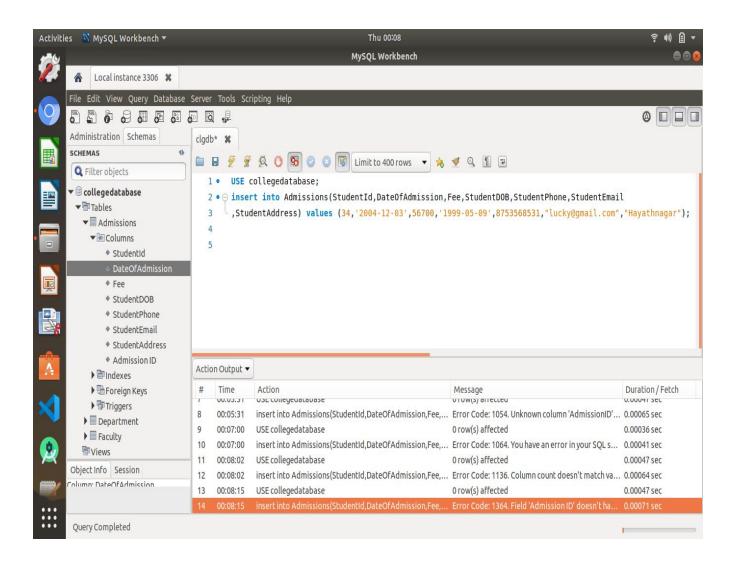


b). Violating not null constraint of primary key: Inserting null value into AdmissionID which is specified as not null constraint:

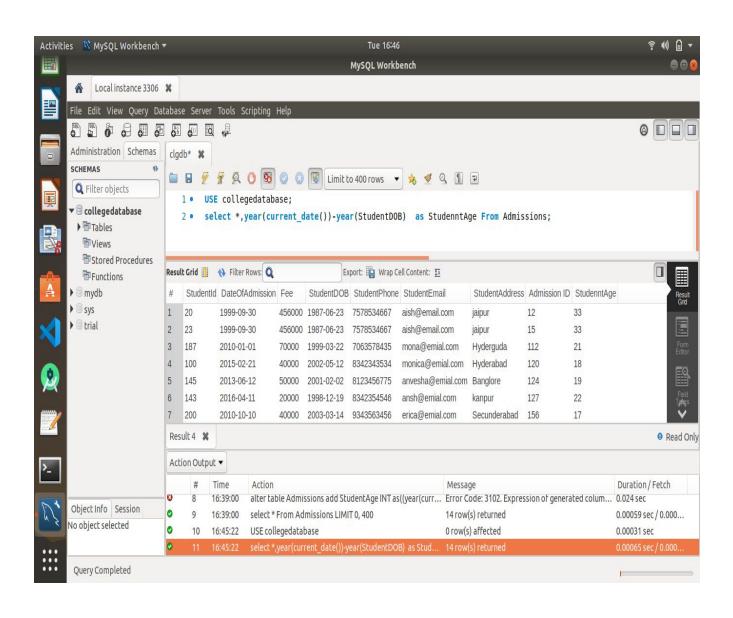


## c). Violating default value constraint of Primarykey:

Not inserting any value into column AdmissionID whose default value is set to false:



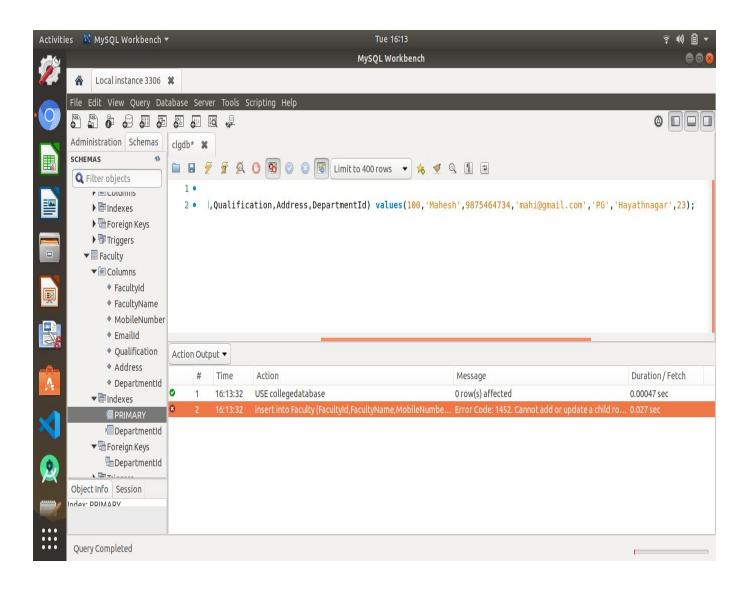
4.
Derived attribute: Age is derived using currentyear-DOB of Student:



## 5. Inserting tuples into dependent table first:

In entity Faculty, departmentId is the foreign key referenced from Department entity.

Inserting tuples into faculty without inserting into Department:



## Inserting tuples into faculty after inserting into Department entity:

