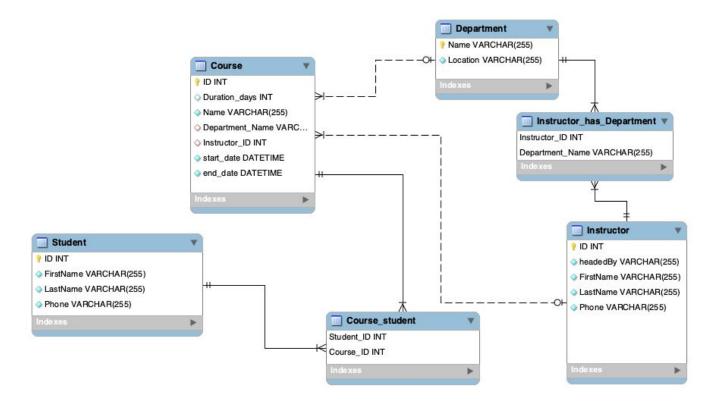
Assignment 2

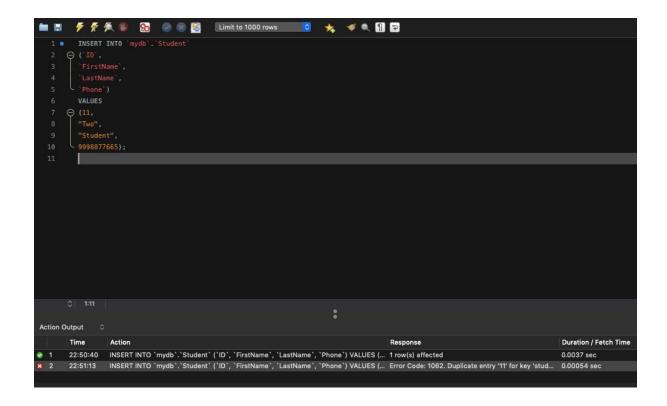
1. Showcase one Many-Many relation.



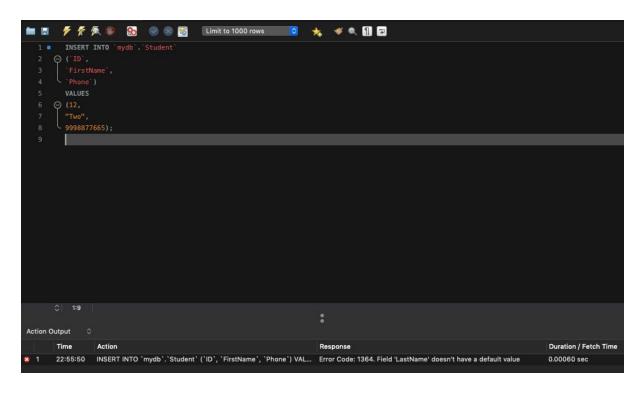
Here Instructor and Department, Student and Course have a many-many relation.

- 2. Represent Composite key and Weak Entity in your Database In the table Course_student (Student_ID, Course_ID) is a composite key. The table is also a weak entity.
- 3. Show Violation of Primary Key, Unique Not Null and default key constraints through insertion.

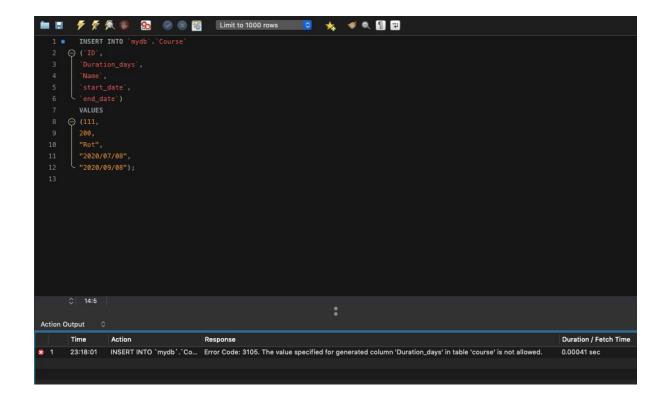
Primary Key violation: Same ID is entered twice. Uniqueness constraint violated.



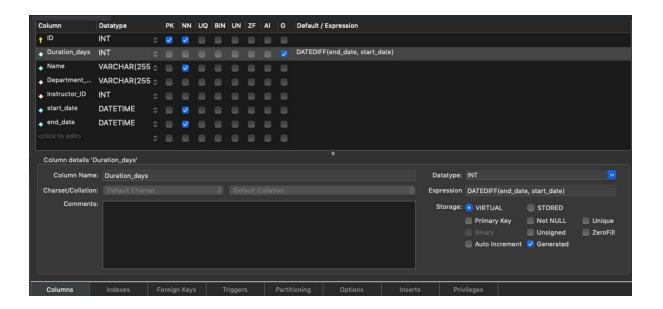
Not Null violation: LastName is left empty.



Default Constraint violation: Duration is a generated field that has a default value inserting the explicit value gives error.



4. One Derived attribute should be added to the Database design.



5. Insert tuples into the table and see how foreign key constraint works if you try to insert into the dependent table first.

