DBMS Assignment 2

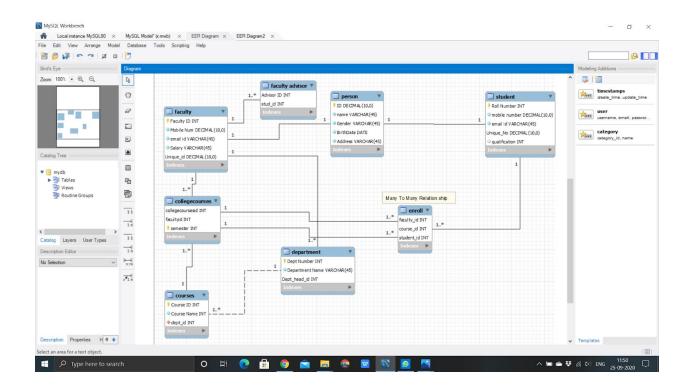
- 1. Showcase one Many-Many relation.
- 2. Represent Composite key and Weak Entity in your Database.

Composite Key:

In enroll entity :primary key(faculty_id,course_id,student_id)

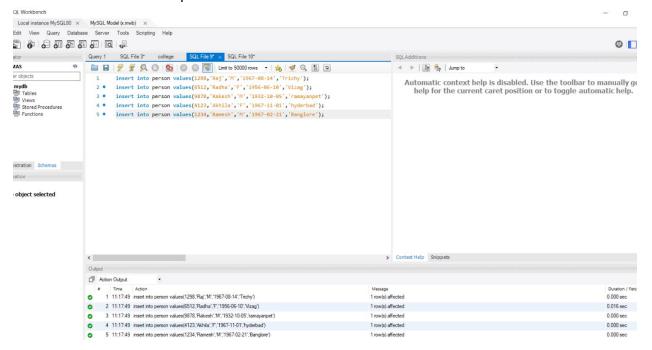
Weak entity:

College Courses, Enroll, Faculty Advisor.

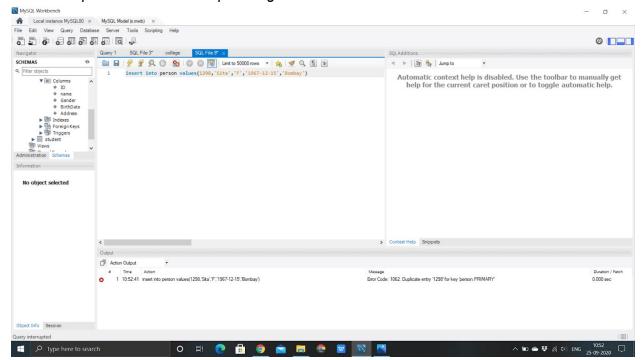


3. Show Violation of Primary Key, Unique Not Null and default key constraints through Insertion.

a)Primary Key Violation by inserting duplicate values for ID Inserted Values in person table

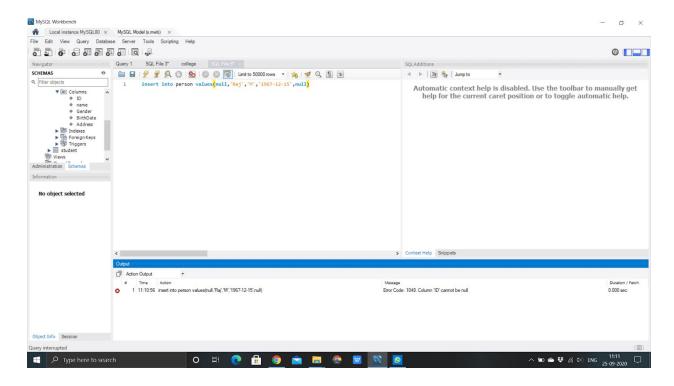


Inserted duplicate value of ID in person gets violated.



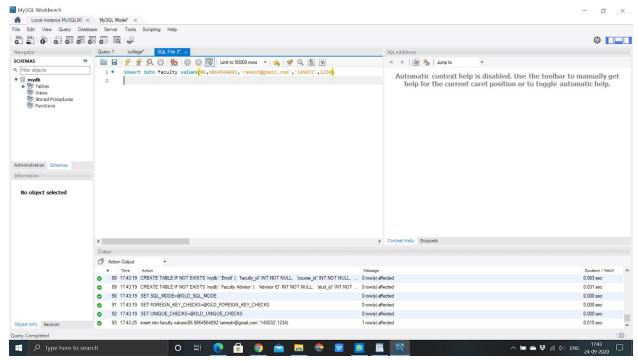
b)

1) Trying to insert null value in attribute ID which is not specified as null.

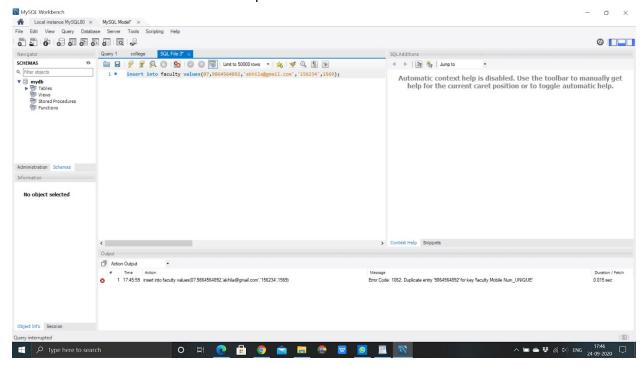


2)Unique Constraint.

Here, the mobile number attribute is unique but entered duplicate which let to violation of uniqueness.

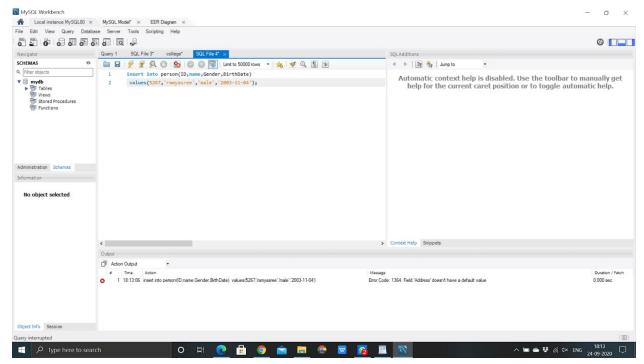


We can see violation in the below snap.



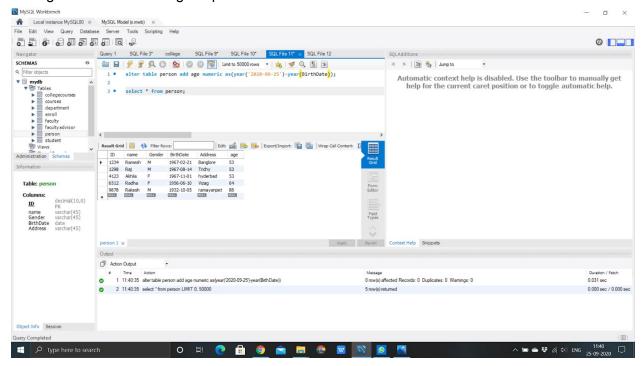
c)Default

Trying to insert values into a person table where the attribute address doesn't have any default value.



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

Adding derived attribute age in person table.



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

Inserting Values in table the faculty where attribute **unique_id** is dependent on attribute **ID** of person table.

