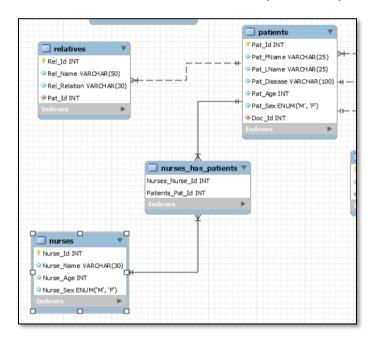
ASSIGNMENT 2

GROUP 1

1. One Many-to-Many Relation

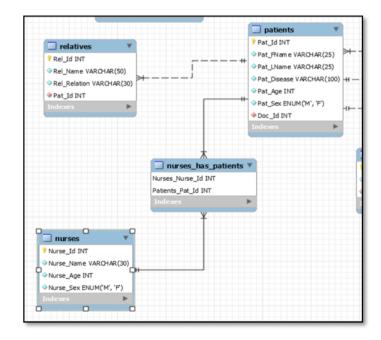
The relation between Patients and Nurses is one example of Many-to-Many Relation.



2. Represent Composite Key and Weak Entity

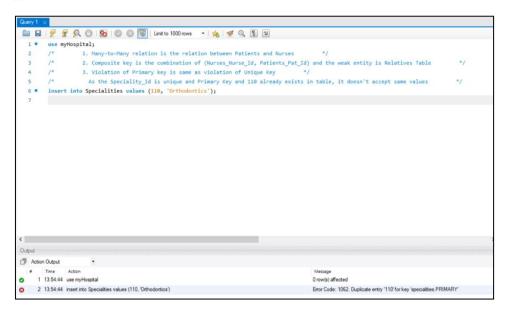
The combination of **Nurses_Nurse_Id** and **Patients_Pat_Id** as Primary Key for the table **Nurses_has_Patients** forms the Composite Key.

The Relatives Table in the Database forms the Weak Entity as it depends on Patients Table.

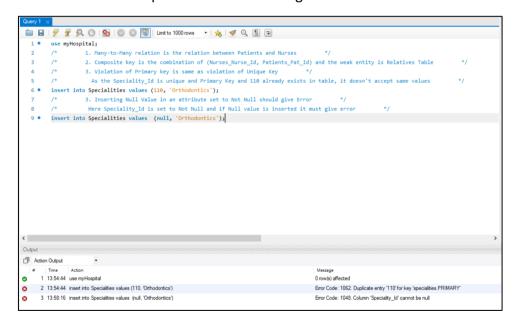


3. <u>Violation of Primary Key, Unique Key, Not Null and Default Key</u>
Constraints through Insertion

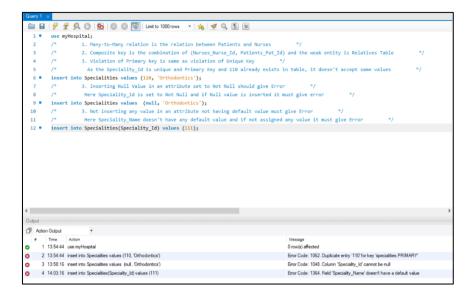
The violation of Primary and Unique key is explained in the following screenshot as comments.



The violation of Not Null is explained in the following screenshot as comments.

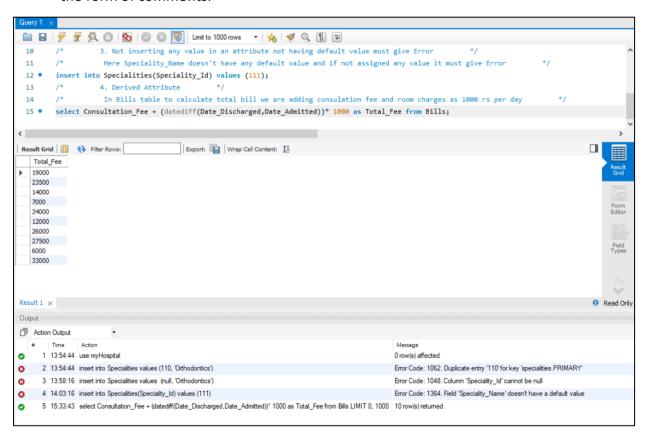


The violation of Default Key Constraint is explained in the following screenshot as comments.



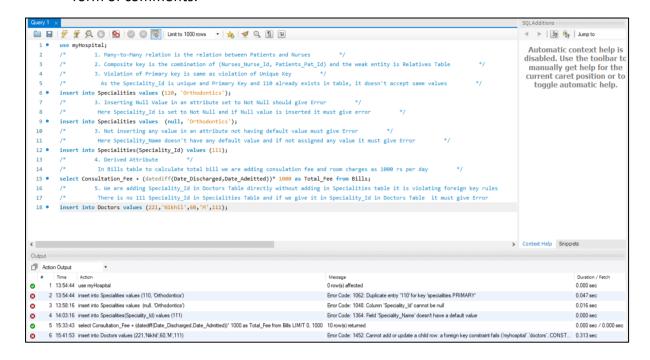
4. One Derived Attribute

The derived attribute is achieved in the Bills table with a formula and explained in the form of comments.



5. <u>Insert tuple into table to check how foreign key constraint works</u>

This is done to check how the foreign key constraint works and is explained in the form of comments.



NOTE: ALL THE EXPLANATION IS GIVEN IN THE SCRIPT FILE FOR EACH QUESTIONS WITH QUESTION NUMBERS IN THE COMMENTS.