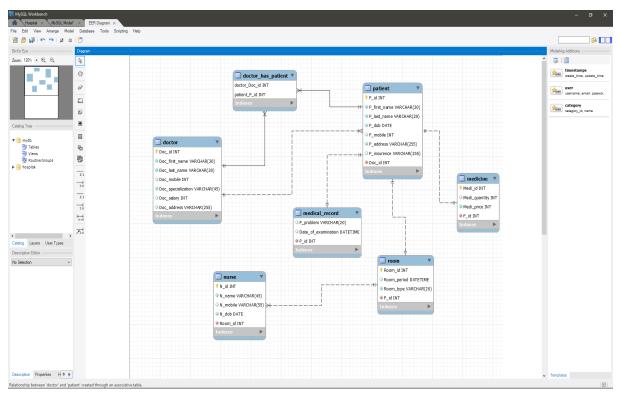
DBMS ASSIGNMENT-2

HOSPITAL DATABASE

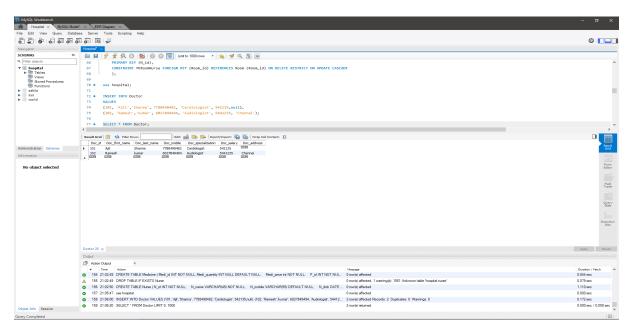
- 1. Showcased a many-many relation between doctor and Patient using doctor_has_patients entity.
- 2. Composite Keys: In doctor_has_patients: Primary Key (doctor_Doc_id,patient_P_id)
 - Weak Entity : doctor_has_patients , medicine, medical_report, room



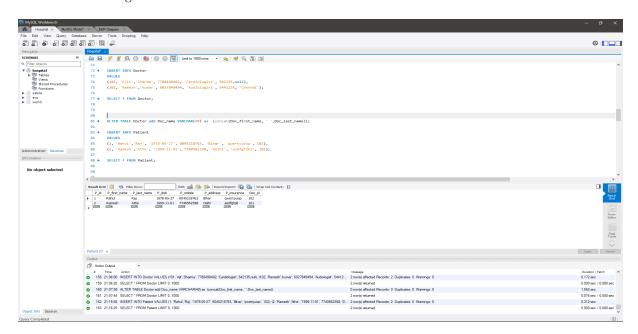
ER Diagram Of Company Database

3. • Checking Primary Key and Unique Constraint :

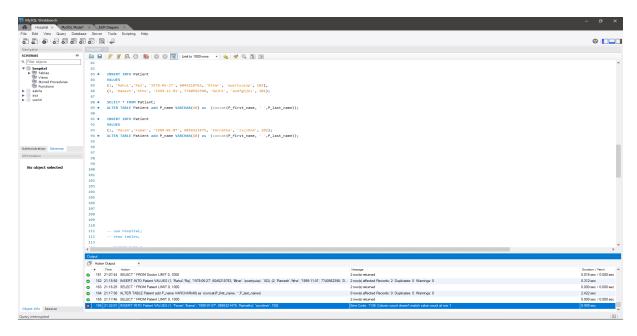
Inserting Doctor's details into tables:



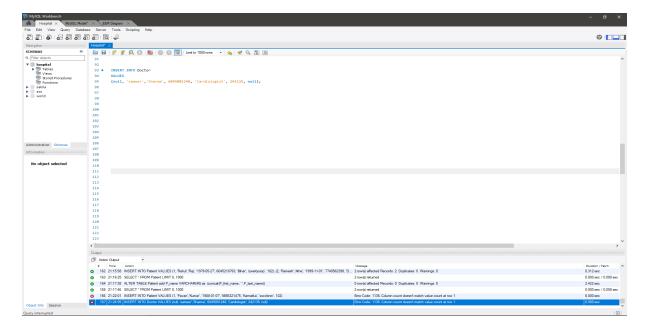
Inserting Patient's details into tables:



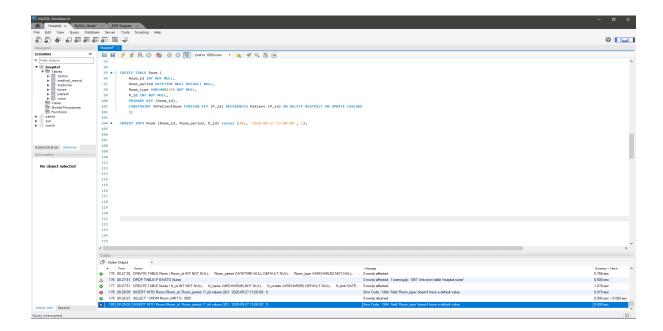
When Trying to insert duplicate value for attribute P_{-id} of Patients table which is a primary key :



- Checking Not Null and Default Constraint :
 - (a) When Trying to insert null value for attribute Doc_id of Doctor table which is specified as not null :

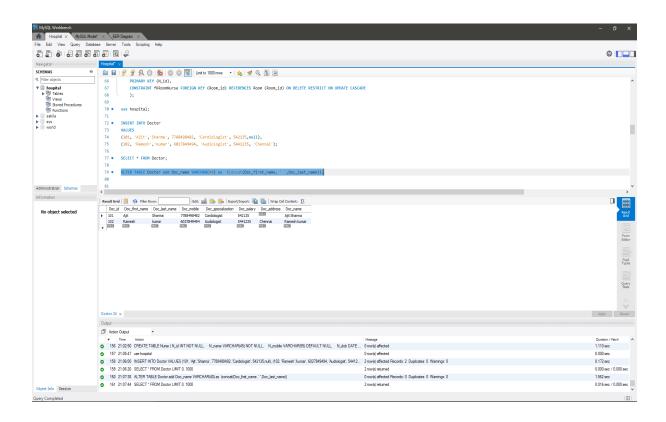


(b) When Trying to insert values into room table in which the attribute room_type doesn't have any default value :



4. Derived Attributes:

• Doc_name attribute of Doctor table: Dependant on/Derived from concatenation of Doc_first_name and Doc_last_name attributes of Doctor table.



5. Inserting tuples into dependant table of a foreign key constraint first.

Patient table is dependant on Doctor table for getting Doc_id which is the foreign key of the table. If we insert data into Doc_id column of Patient table without inserting any data into Doctor table then:

