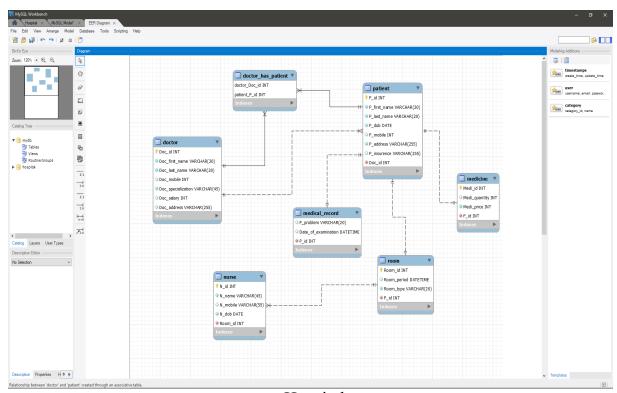
## DBMS ASSIGNMENT-2

## HOSPITAL DATABASE

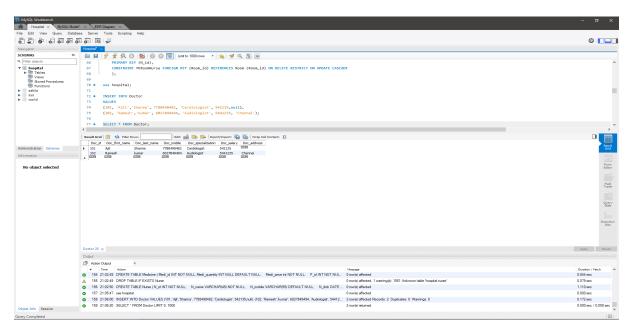
- 1. Showcased a many-many relation between doctor and Patient using doctor\_has\_patients entity.
- 2. Composite Keys: In doctor\_has\_patients: Primary Key (doctor\_Doc\_id,patient\_P\_id)
  - Weak Entity : doctor\_has\_patients , medicine, medical\_report, room



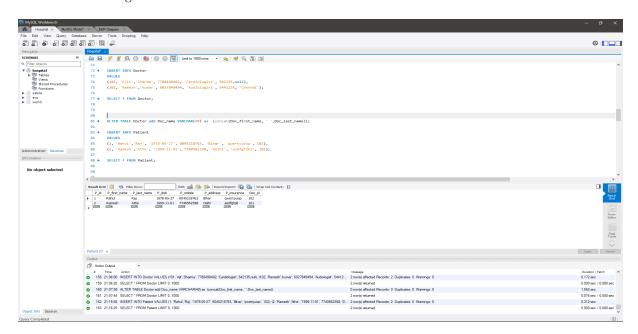
ER Diagram Of Hospital Database

3. • Checking Primary Key and Unique Constraint :

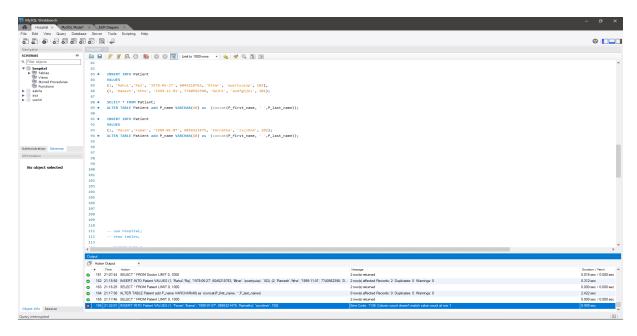
Inserting Doctor's details into tables:



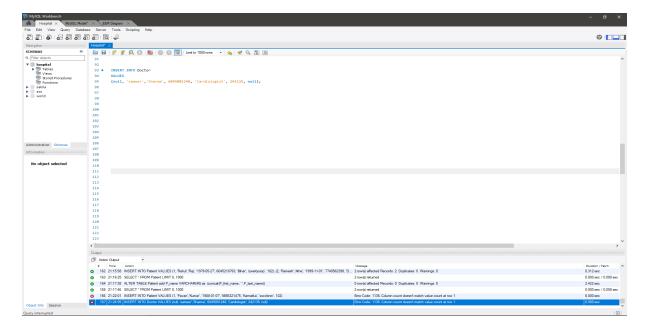
Inserting Patient's details into tables:



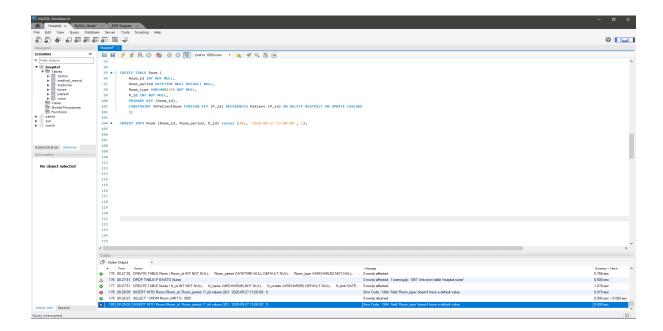
When Trying to insert duplicate value for attribute  $P_{-id}$  of Patients table which is a primary key :



- 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 :

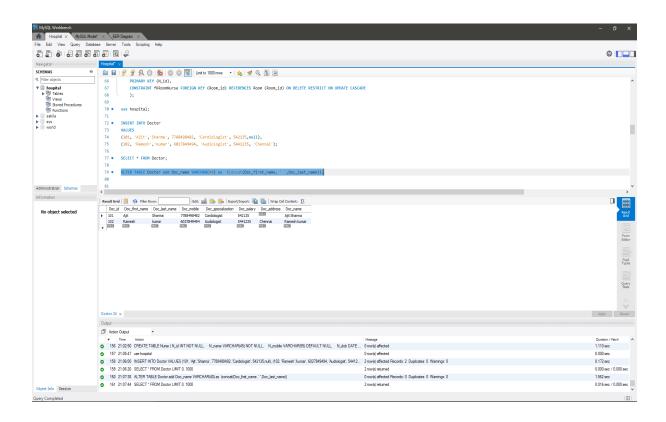


(b) When Trying to insert values into room table in which the attribute room\_type doesn't have any default value :



## 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:

