

EUROPEAN UNIVERSITY OF LEFKE

Faculty of Engineering
Department of Software Engineering



COMP337

DATABASE MANAGEMENT SYSTEMS

Lab Work No. 2

Prepared by Abdelrahman Mohamed Radwan Mostafa

Student Number : 21140036

Submitted to Dr. Ferhun Yorgancioğlu

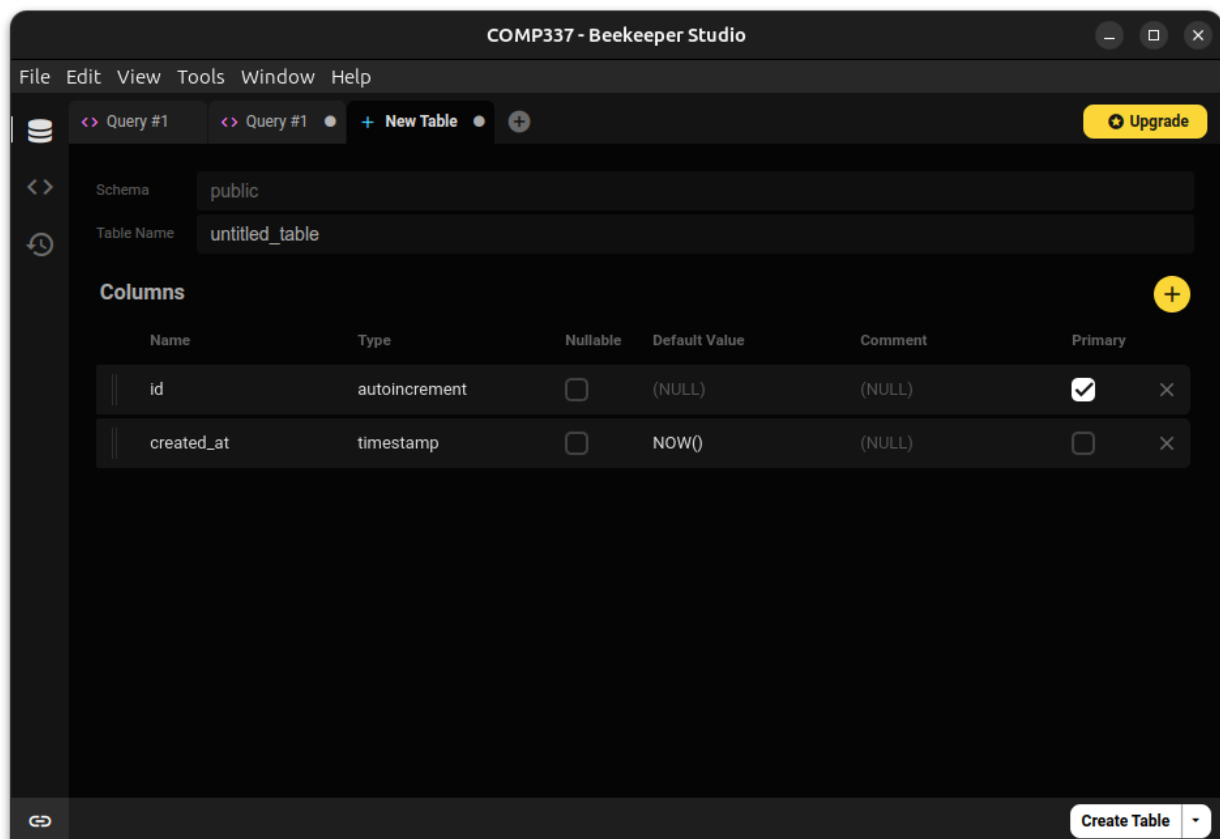
And his assistant Mr. Salman Khan

In this lab work we were tasked with creating the tables in the database and seeding them with data. I used beekeeper like the last lab to run the queries that will do this. I created all the tables but while creating them I did some research on the best data types for each case and how to set up the schema for each table.

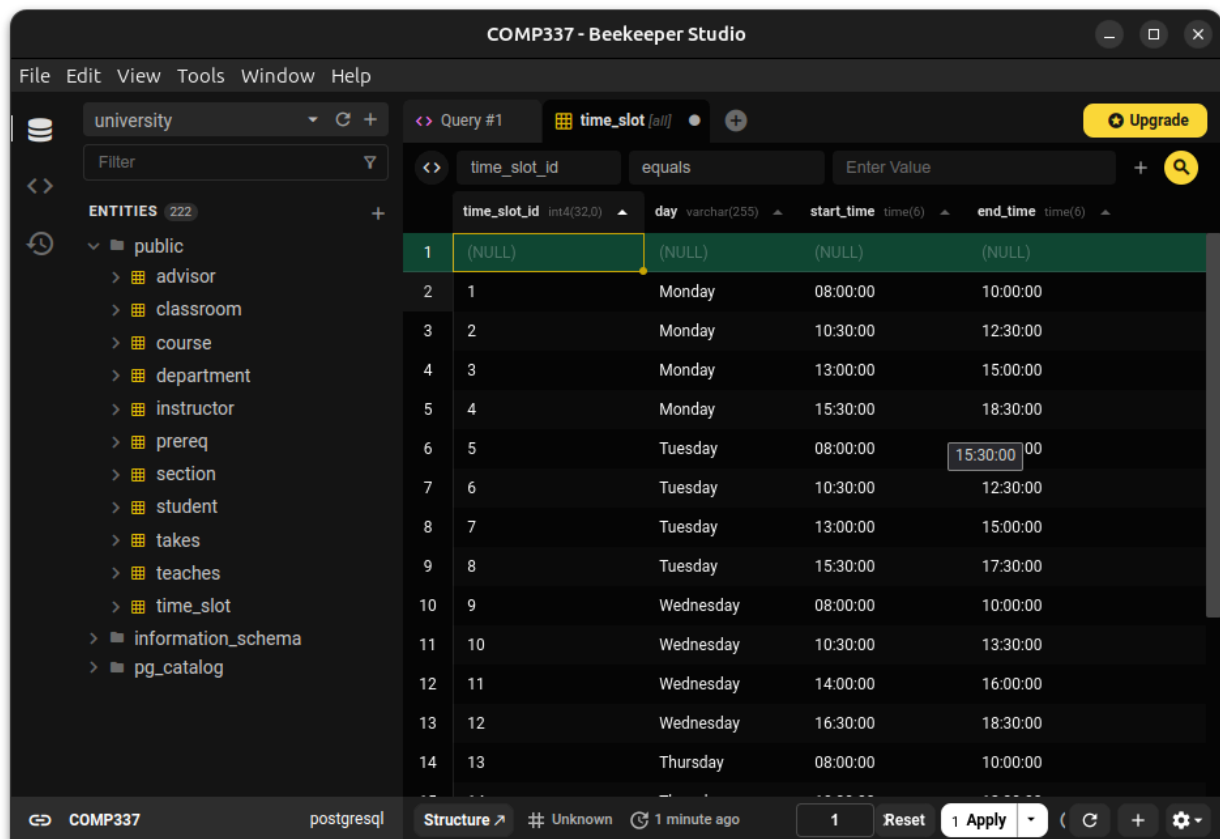
Additionally the tables needed to be created and seeded in such an order that nothing was being referenced before being created or inserted to the database. the order is as below:

1. department
2. instructor
3. student
4. advisor
5. course
6. time_slot
7. classroom
8. section
9. teaches
10. takes
11. prereq

That was one way of creating the tables and inserting the data. another way would be to use the UI beekeeper provides to do the same things as in the screenshots below :



the above is for creating a table while the below is for adding rows.



Finally there is another way that beekeeper allows us to use which is to import data from a file but it is a pro feature that i didn't get to try.

Since postgresQL doesn't save the data in the form of a .db file I was able to run some queries on the container to acquire the .sql file that has the database instance and have supplied the command to recreate the database using docker as well.