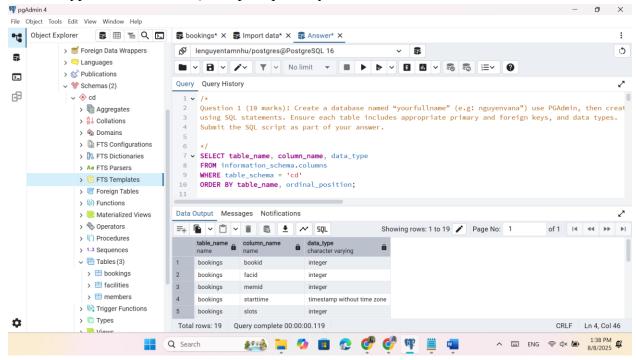
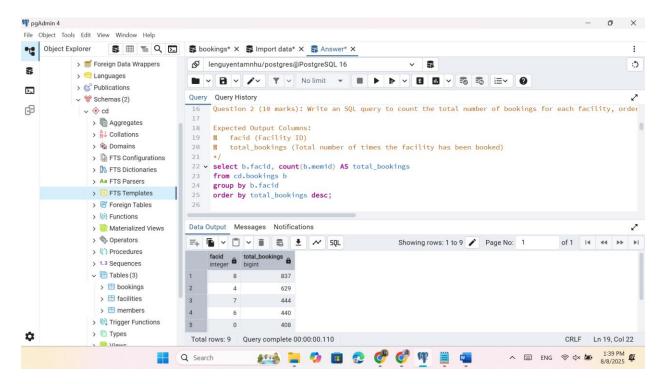
Name: Lê Nguyễn Tâm Như

IRN: 2132300065

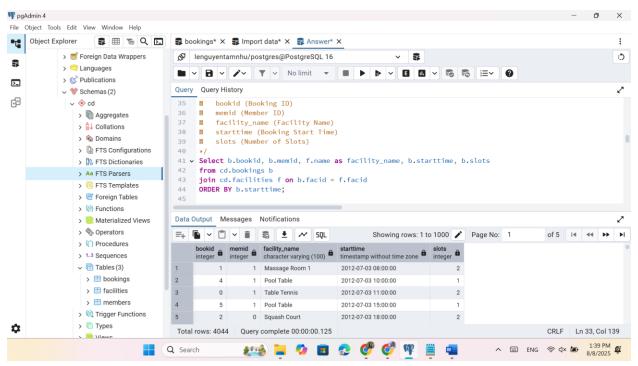
Question 1 (10 marks): Create a database named "yourfullname" (e.g. nguyenvana") use PGAdmin, then create a schema name "cd" that has three tables: *members, bookings and facilities* using SQL statements. Ensure each table includes appropriate primary and foreign keys, and data types. Submit the SQL script as part of your answer



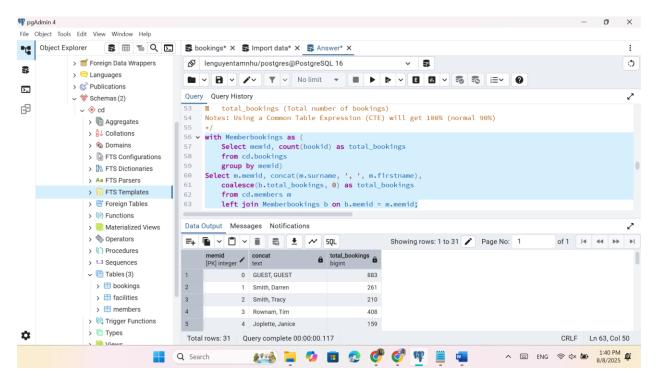
Question 2 (10 marks): Write an SQL query to count the total number of bookings for each facility, ordered by the highest number of bookings first



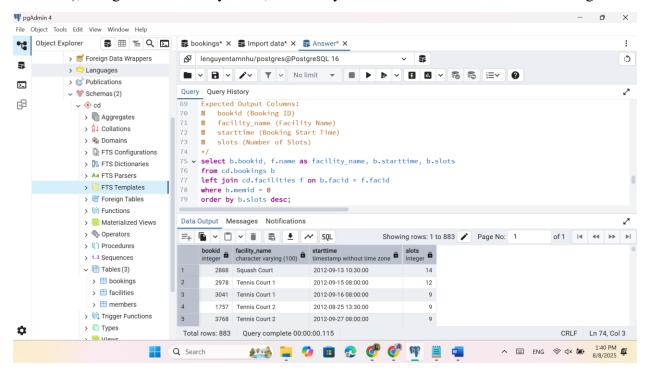
Question 3 (20 marks): Write an SQL query to display all bookings with the member ID and facility name, ordered by the booking start time.



Question 4 (20 marks): Write an SQL query to display each member and their total number of bookings, ensuring that members who have never made a booking are also included.



Question 5 (20 marks): Write an SQL query to display all bookings made by guests (non-members), along with the facility name, ordered by the number of slots used in descending order.



Question 6 (20 marks): Write an SQL query to rank members based on their largest single booking (most slots in one booking), displaying their rank alongside their largest booking. If multiple members have the same largest booking, they should have the same rank (use Window function)

