COMP-SCI 470: Introduction to Database Management Systems

Fall 2023

Assignment 6

Assigned: October 17, 2023   **Due:** October 24, 2023

(50 points) Using the same Hotel, Room, Booking, and Guest relations and sample tuples in each relation that you created in the previous assignment, run the SQL statements for the following queries and report the screenshots of these SQL statements and the results generated from **PostgreSQL**.

1. (Modified from Exercise 6.9) List the names and addresses of all guests who live in Dallas, alphabetically ordered by name.

2. (Modified from Exercise 6.10) List all double ('D') or suite ('S') rooms with a price below $200 per night, in ascending order of price.

3. (Exercise 6.13) What is the average price of a room?

4. (Exercise 6.16) List the price and type of all rooms at the 'Grosvenor Hotel'. Please use **subqueries** for this query.

5. (Modified from Exercise 6.23) List the number of rooms in each hotel in Miami.