

ECE467 Database Design & Management
CSC423 Database Systems

Spring 2019

Assignment 7

Assigned: March 26, 2019

Due: April 4, 2019

(100 points) Using the same Hotel, Room, Booking, and Guest relations and sample tuples in each relation that you created and the SQL statements for the following queries, implement these queries in Embedded SQL under your UNIX account. Create a menu for these queries.

Please note that you need to turn in a hardcopy of the C or Java code with the SQL statements and the generated outputs.

1. (Exercise 6.9) List the names and addresses of all guests living in London, alphabetically ordered by name.
2. (Exercise 6.13) What is the average price of a room?
3. (Exercise 6.18) List the details of all rooms at the Grosvenor Hotel, including the name of the guests staying in the room, if the room is occupied. Please use subqueries and/or joins for this query.
4. (Exercise 6.23) List the number of rooms in each hotel in London.
5. (Exercise 6.28) Update the price of all rooms by 5%.