Database Design, CSCI 340, Spring 2016 SQL - Basic, Chapter 6, pages 133-151, Jan. 15

Open putty and login to your katie account.

From within your katie account, we' username: csci340User password: csci340Pass	Il all access the same MySQL account.
Login to MySQL via the command: mysql -u csci340User -p Enter password: csci340Pass	
Useful SQL commands: SHOW DATABASES; USE HotelReservations; SHOW TABLES; DESCRIBE tableName;	// View a list of available databases // Move into the HotelReservations database // View list of tables in current database // View "intension" of a specified table
SELECT * FROM tableName;	// View "extension" of a table
Write the SQL commands to do the 1. Give the name of all database	following: es to which csci340User has access.
2. Move into, use, the HotelRes	servations database.
3. Give the name of all tables in	n the HotelReservations database.
4. List the column names and ty	ype of all columns in the Hotel table.
5. List the full details of all hote	els (The result will contain 8 records)

6.	List the full details of all hotels in Butte. (The result will contain 4 records.)
7.	List the name and addresses of all guests. (The result will contain 5 records.)
8.	List the name and addresses of all guests whose first name starts with M. (The result will contain 2 records.)
9.	List the name and addresses of all guests whose address contains the word Columbia. (The result will contain 1 record.)
10.	List all hotel names. (The result will contain 8 records.)
11.	List all hotel names but remove duplicates. (The result will contain 6 records.)

12.]	List hotel names alphabetically but remove duplicates.
•	List hotel names and the city in which they are located, alphabetically by city and within a city, alphabetically by hotel name and without duplicates. (The result will contain 7 records.)
	List the distinct prices and types of all hotel rooms in the database. (The result will contain 12 records.)
	List the average price of all rooms in the database. (The average price is 122.291667)

	Average Room Price
	122.291667
	++ 1 row in set (0.00 sec)
17.	Write a query that tells the number of distinct hotels in the database. (The three hotels in the database called Holiday Inn should be counted as different.) Mal the column heading be: # of hotels.
	There are 8 such hotels.
18.	Write a query that tells the number of distinct hotel names in the database. (T time the three hotels called Holiday Inn should not be counted as different.) In the column heading be: # of hotels.
	There are 6 such hotels

19. Write two queries which list the name, address and city of all hotels which are in Butte or Missoula. Order these by the hotel name. Note that your queries must work for any extension of the database, not just the current extension. (Both results will contain 7 records.)
Challenge: Do Question 16 again but format the result so that it looks like a dollar amount.