SQL Continued

Before you begin please do the following:
1. Watch the video lecture posted. Many of the commands I will show you on the video.
2. You can also look at the SQLCheatsheet tab for many of the common SQL commands.
3. The below exercises corresponds to the lecture titled SQL Continued.

Submission: You will need to submit the SQL code and screenshots (when it asks you for screenshots) to the dropbox titled SQL Continued.

Please submit the correct statements as well as the results:

I Update Continued

Guest 101 has asked for a discount in rent.
1. Write the statement to update that information for guest 101 only for their June 2014 entry.
2. Please write a statement to view that your changes took place correctly.
3. Paste the results of the above statement.

Guest 102 extends his stay from July 31, 2015 to August 31, 2015.
1. Write the statement to update BOTH the price and dateDepart for that entry. Note: In the same statement.
2. Please write a statement to view that your changes took place correctly.
3. Paste the results of the above statement.

Aggregates

1. COUNT how many bookings there are.
2. Paste the results of the above statement.

3. What is the AVERAGE price, MINIMUM price, MAXIMUM price, and SUM of all prices for all of the bookings?
4. Paste the results of the above statement.

5. Write the select statement to count how many bookings belong to guest 101.
6. Paste the results of the above statement.

II Group by

1. Select the guest number, and the average price. Group the results by guestNo and order the results by the guest number DESCENDING.
   Hint: In addition to Group By you will need to use above aggregates
2. Paste the results of the above statement.
3. Select the guest number, and the average price, grouped by guestNo, but ONLY display it when the average price is greater than or equal to 500.

   *Hint: You cannot use ‘where’ in Group By when using Aggregates - use Having!*

4. Paste the results of the above statement.

### III Subqueries

1. Use a **subquery** to select the arrival and departure attributes where the guest number is the guest number whose last name is Washington.
2. Paste the results of the above statement.

### IV Joins

1. Select the guest number, guest first name, last name, and the arrival and departure dates for those guests that have bookings.
2. Paste the results.

3. Select the guest number, guest first name, last name, and arrival and departure dates whether or not there is a booking. (All guests in the guest table should appear)
   
   *Hint: Use Left or Right Join*

4. Paste the results.