Instructions

This homework will give you experience developing SQL queries.

First, review the instructions on using MySQL from mysql.pdf. After that, read the script hw03script.sql carefully. It defines and creates the sample database and has placeholders for entering your solutions. You need to produce the queries from the next section and put your solutions in hw03script.sql. Make sure that you follow the template given to insert your solutions. After filling your solutions into hw03script.sql, run your script on MySQL and redirect the output to a text file called hw03spool.txt. You need to hand in both hw03script.sql and hw03spool.txt within the ZIP file.

For each query from the next section, *unless stated otherwise,* you need to

1. Sort the results in ascending order

2. Remove duplicates from the answer

Produce queries for the following questions and fill your answers in hw03script.sql

Description

For each query from the next section, *unless stated otherwise,* you need to

1. Sort the results in ascending order

2. Remove duplicates from the answer

You may use intermediate tables while producing your answers. In order to run your queries without getting errors, please use TEMP1, TEMP2,... as your intermediate table names. Those intermediate tables will be explicitly dropped before your queries so that their old values, if any, do not create problems.

Queries

Produce queries for the following questions and send your answer to hw03script.sql

1. Produce table Answer00 (ID, Number) which contains all rooms with mountain view.

2. Produce table Answer01 (SSN, Name) which contains all employees that are single and whose name are not null or start with 'A'.

3. Produce table Answer02 (ID, FName, LName) which contains in descending sorted order all adults who do not have children.

4. Produce table Answer03 (Age) which contains the average age of all children who are older than 2 years.

5. Produce table Answer04 (ID, LName, RoomNumber) which contains all guests who have booked a room before 1st March 2022.

6. Produce table Answer05 (SSN, Name, Specialty, MealTitle) which contains all the cooks who cooked lunch or dinner meals. Keep both records if two meals have the same cook.

7. Produce table Answer06 (ID, FName, LName, Sum_of_prices) that contains all guests who reserved double room with twin beds and sum of the prices of their bookings.

8. Produce table Answer07 (ID1, ID2) which contains all pairs of bookings that are booked with ID1 whose start date is later than the start date of the booking with ID2.

9. Produce table Answer08 (ID) that contains all receptionist who confirmed bookings by the guest who ordered meal ID 3.

10. Produce table Answer09 (ID, FName, LName) which contains accompany of the oldest adult.

11. Produce table Answer10 (ID, Number_of_cleanings) which contains all housekeepers who cleaned a room with lake view at least three times before 1st April 2022 and the number of their cleaning times.