

CSE 3330– Database Systems
Project 2: Description and Deliverables
Medhat Saleh

Due Date: 03/06/2015

Project 2: Writing

In this project, you should write queries for the created database. We will use MySQL RDBMS on Omega for this project.

SQL queries [netID_myDBqueries.sql]

Create a script with given following queries on your database, say [netID_myDBqueries.sql]. Use the comment facility in MySQL (starting a line with --) to write the English version of your query, followed by the SQL version of the query. Also show the expected output in the file. These .sql files should be executed from the MySQL prompt.

Query:

1. Retrieve the ID and name of every pilot who was hired before 1/1/1995.
2. For every flight number, retrieve every city the flight departs from.
3. Retrieve the number of planes that were last maintained between 9/3/2002 and 9/5/2002.
4. For every passenger who has a reservation with a destination airport in the state of Texas after 10/4/2002, retrieve the passenger's name and phone. Retrieve also the departure city and state of each of the qualifying reservations.
5. For every flight instance that has more than one leg and has the same pilot for all of its legs, retrieve the flight number, flight date, and the name of the pilot.
6. For every flight that has more than two legs, retrieve the flight number, the first departure city and the final arrival city of the flight.
Note: Flight sequences can start at an arbitrary integer and can be separated by an arbitrary integer offset.

7. For every airport, retrieve the airport city and state; and list all planes (IDs) that were last maintained in the airport, if any.
8. Retrieve the name of each passenger who has reservations to fly into all airports of the state 'NY'.
9. For every state that has more than two airports, retrieve the number of planes that were last maintained in the state's airports.
10. For every flight leg instance, retrieve the total number of passengers who occupy seats on the instance.

Submission

Submit, electronically, the file.

Add a header to each of your submitted files submission using following format:

-- Class: CSE 3330
-- Semester: Spring 2015
-- Student Name: your name (Last, First)
-- Student ID: your id
-- Assignment: project #2