

Homework 4 Databases

Hand-in:

The text of your SQL query and the first 20 results, in a pdf file.

Problem 1:

Use the flights database to find:

All direct flights between MKE and EAU.

Problem 2:

Use the flights database to find:

All one-stop flights between MKE and EAU, where the first flight arrives before the second flight.

Problem 3:

Use the flights database to find:

All one-stop flights between MKE and EAU, where the first flight arrives one hour and a half before the second flight. (Hint: there are a bunch of MySQL time functions.)

Problem 4:

Use the flights database to find:

All two-stop flights ORD and DTW.

Problem 5:

Use the sakia database to find:

All the cities in which customers live who rented a movie starring "Lollobrigida".

Problem 6:

Use the sakia database.

First create a list of all IDs of customers and districts in California or in Texas. Then use this as a subquery in order to find the total payments of customers in California and in Texas.

Problem 7:

Find the list of all first names and last names of customers and actors using UNION.

Problem 8:

Find the list of all first names of customers that are not first names of actors.

Problem 9:

Find the three customers (by first name and last name) with the most number of rentals and the count of rentals.

Problem 10:

Find the maximum payment amount, the minimum payment amount, the average payment amount and the total number of payments.