Exercises on October 10

Subqueries

1. GUW 6.3.2 a), b), c), d) on p. 275. Test your queries in Oracle on the sample data you entered in the beginning of the course.

2. GUW 6.3.1. b) + c). Enter the sample data in Oracle and run your four queries.


OLAP

In these exercises you will create a star schema, based on raw data from:

http://www.itu.dk/people/pagh/IDB05/data/OLAP-table.sql

1. Data in the OLAP table is “raw” fact data, i.e., not in the recommended star schema. Your task is to create WHAT, HOW and WHERE as dimension tables, and create a new version of the OLAP table referring to these dimension tables. To get a compact, unique key for each tuple in the dimension tables you can use Oracle’s rownum variable in the SELECT part of the query creating the table.

2. Try out the star schema with SQL queries of your choice.