

Databasesystemer, ITU, Forår 2006

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Øvelser relateret til forelæsningen d. 20. april

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

<http://www.itu.dk/people/pagh/DBS06/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. For example:
 - (a) The average quantity, grouped by product.
 - (b) An overview of catalog sales (total quantity) grouped by location and product.
 - (c) The total revenue of December 1997, grouped by location.
 - (d) The total revenue of December 1997, grouped by location and date.
3. Identify instances of slicing, dicing, drilling down, rolling up in your queries.

I øvrigt forventes øvelserne brugt til færdiggørelse af 3. opgave i gruppeprojektet.