Product Dimension, adapted from Figure 1-5 and for using Northwind as source db


--Needs one row for each product
--This table is not normalized – it contains Category data too
--To generate a row a natural join Product x Category is performed
        --(ok since only field in common is category_id)
--The result is inserted into the dimension
--Note the PK is automatically generated

drop table if exists DimensionProduct;

create table DimensionProduct (
    product_key serial primary key,
    product_id smallint ,
    product_name character varying(40) ,
    unit_price real,
    category_id smallint ,
    category_name character varying(15) ,
    description    text
);

insert into DimensionProduct (product_id, product_name, unit_price, category_id, category_name,
        description)
select product_id, product_name, unit_price, c.category_id, category_name, description
from products p **natural join** categories c;

select * from DimensionProduct;