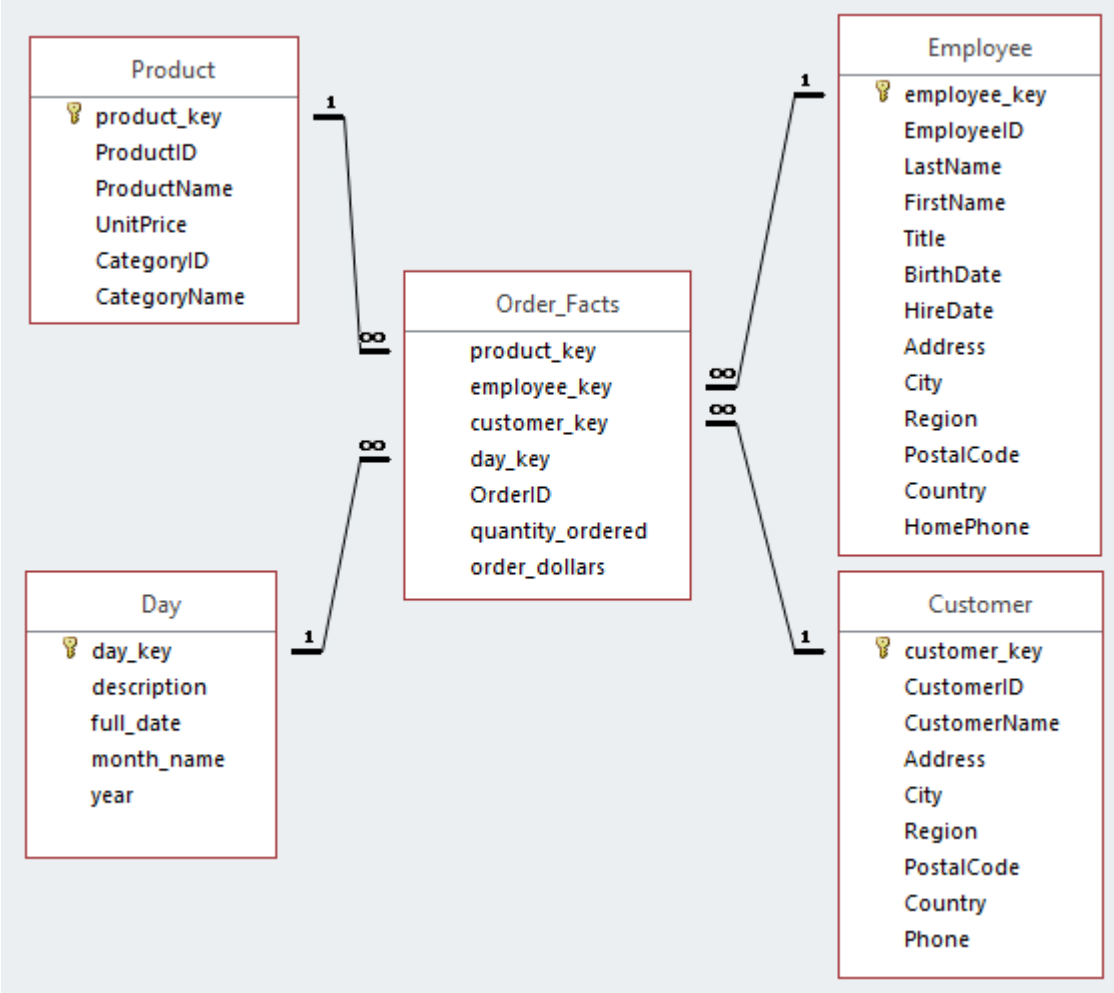
Consider our sample Northwind OLTP database on the course web page. Do the following 2 questions.

1. Create the tables indicated by this star schema design:



As discussed in the text, each dimension has a surrogate key named with the "_key" suffix. These fields are PKs. 'Special' rows for unknowns are not needed in this assignment.

Order_Facts is a fact table with 4 FKs (poduct_key, day_key, employee_key, customer_key) and one degenerate dimension, OrderID. Enforce referential integrity in your database.

All fields (except "_key" fields) are derived directly from corresponding tables in Northwind.

day_key references the order date of an order. The required and expected dates for an order are ignored in this assignment. The Day dimension has one row for each day from Aug 1 1994 to Dec 31 1996.

You must populate the star schema using the sample Northwind OLTP database as the source.

2. Create queries where each query is designed to list the sum of order dollars by category and product for **January 1995** (sequenced by category, then product).

   a) Create and run the query where only Star Schema tables are used. This is similar to the Query in Figure 1-6 of the text.

      The result begins:

CategoryName	Product Name	Order Dollars
Beverages	Chai	$216.00
Beverages	Chang	$380.00
Beverages	Chartreuse verte	$288.00
Beverages	Côte de Blaye	$8,432.00
Beverages	Guaraná Fantástica	$108.00
Beverages	Lakkalikööri	$504.00
Beverages	Outback Lager	$720.00
Beverages	Sasquatch Ale	$112.00
Beverages	Steeleye Stout	$1,008.00
Condiments	Chef Anton's Gumbo Mix	$544.00
…	…	…

   b) Create and run the query where only the Northwind OLTP tables are used.

Do this assignment using MS Access

Use a single database holding the Northwind OLTP tables and the Star Schema tables.