

# TestStar DB on JRS

## Schema:

InvoiceLines(FkInvoiceNo\*, LineNo, FkProduct\*, Qty, Price)

Invoices(PkInvoiceNo, Date, FkCustomer\*)

Customers(PkCustomer, CustomerName, CustomerType, FkCountry\*)

Countries(PkCountry, Nation, Continent)

Products(PkProduct, ProductID, ProductName, Category, UnitPrice)

# EXERCISES: WRITE RELATIONAL EXPRESSIONS / LOGICAL TREES

• *Revenue is Qty\*Price*

1. Find the revenue of every invoice line
2. Find the invoice lines with revenue  $> 5000$
3. Find the FkProduct's sold in at least one invoice line
4. Find the total revenue by FkProduct
5. Find the total revenue by FkProduct for invoice lines with Price  $> 2000$
6. Find the total revenue by FkProduct with at least 10 pieces of total quantity sold

# EXERCISES: WRITE RELATIONAL EXPRESSIONS / LOGICAL TREES

- *Revenue is Qty\*Price*
1. Find the total revenue by product category
  2. Find the total revenue by customer nation for sales of product category 'Cat01'
  3. Sort the customer names by total revenue descending
  4. Find the total revenue of sales to customers from Finland of products from category 'Cat01'
  5. Find customers with no sales