Model company - Dashboarding

Introduction

You are commissioned by a company selling models and scale models. The company already has a database that lists employees, products, orders, and much more. You are invited to browse and discover this database. The director of the company wishes to have a dashboard which he could refresh each morning to have the latest information in order to manage the company.

Objective

Your dashboard should revolve around these 4 main topics: sales, finance, logistics, and human resources.
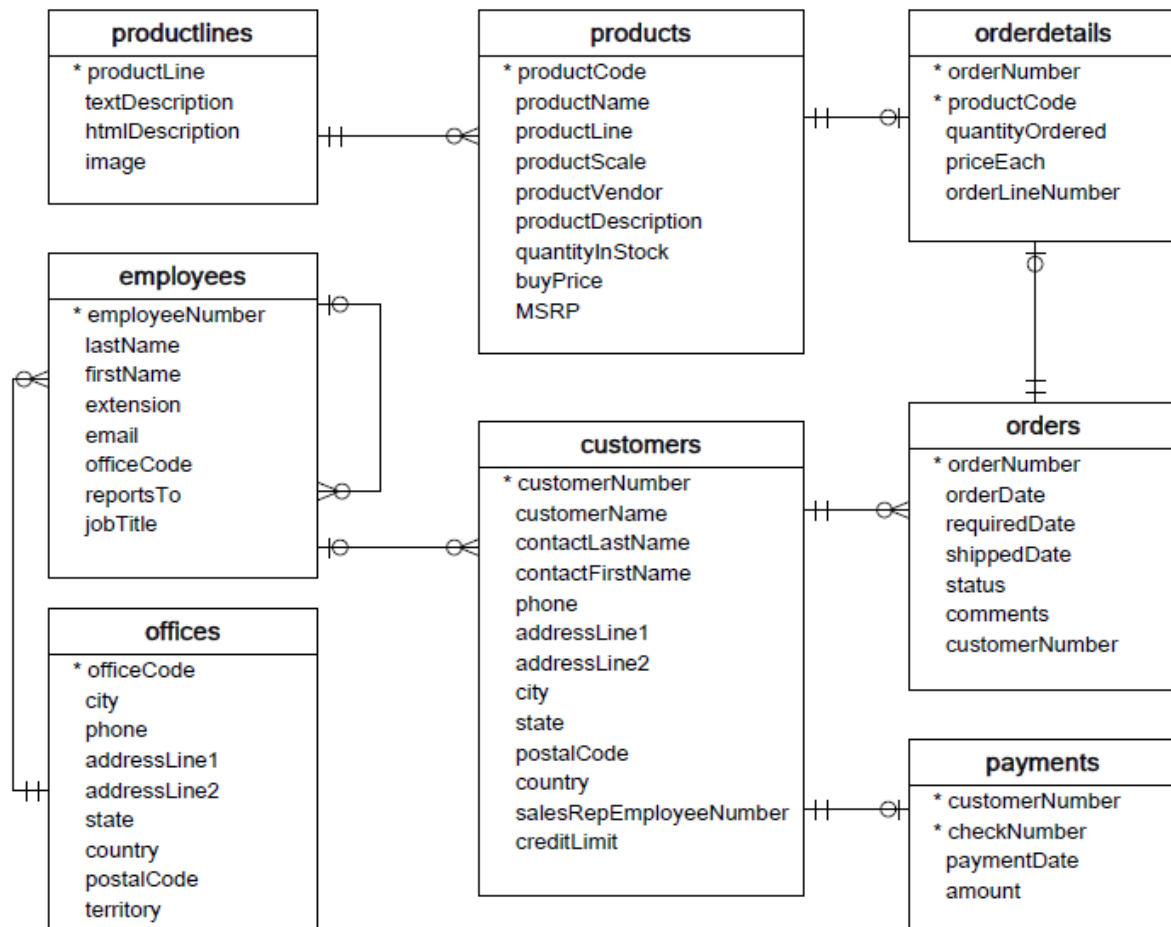
Here are the indicators that should be present in your dashboard. Visualizations would also be appreciated. And you are invited to practice **your advisory role, by proposing additional KPIs and charts**.

- **Sales**: The number of products sold by category and by month, with comparison and rate of change compared to the same month of the previous year.
- **Finances**:
  - The turnover of the orders of the last two months by country.
  - Orders that have not yet been paid.
- **Logistics**: The stock of the 5 most ordered products.
- **Human Resources**: Each month, the 2 sellers with the highest turnover.

Resources

Here is the diagram of the database :

productlines
* productLine
textDescription
htmlDescription
image

products
* productCode
productName
productLine
productScale
productVendor
productDescription
quantityInStock
buyPrice
MSRP

orderdetails
* orderNumber
* productCode
quantityOrdered
priceEach
orderLineNumber

employees
* employeeNumber
lastName
firstName
extension
email
officeCode
reportsTo
jobTitle

customers
* customerNumber
customerName
contactLastName
contactFirstName
phone
addressLine1
addressLine2
city
state
postalCode
country
salesRepEmployeeNumber
creditLimit

orders
* orderNumber
orderDate
requiredDate
shippedDate
status
comments
customerNumber

offices
* officeCode
city
phone
addressLine1
addressLine2
state
country
postalCode
territory

payments
* customerNumber
* checkNumber
paymentDate
amount