

Data Analysis & Database Design

SQL Tutorial Exercise: Order Processing Database

You are required to create and populate the Order Processing database as shown in diagram 1, at the end of the text.

The following items must be created via SQL code:

- Tables;
- Primary Keys;
- Foreign Keys;
- Data added to the tables (minimum of 3 items per table);
- Data types and sizes are for you to decide, however they must be consistent between tables;
- Auditing Table and Trigger for Employee Table;
- A Trigger for enforcement of enterprise rules on the Products Table.

In order to create the database, follow the steps below:

1. Create the Suppliers table
2. Create the Categories table
3. Create the Employees table
4. Create the Customers table
5. Create the Shippers table
6. Create the Products table
7. Create the Orders table
8. Create the Order Details table

In order to populate the database follow the steps below:

9. Populate the Suppliers table
10. Populate the Categories table
11. Populate the Employees table
12. Populate the Customers table
13. Populate the Shippers table
14. Populate the Products table
15. Populate the Orders table
16. Populate the Order Details table

Note:

You are required to save the SQL queries you have used for creating the tables and one query for each of the tables populated.

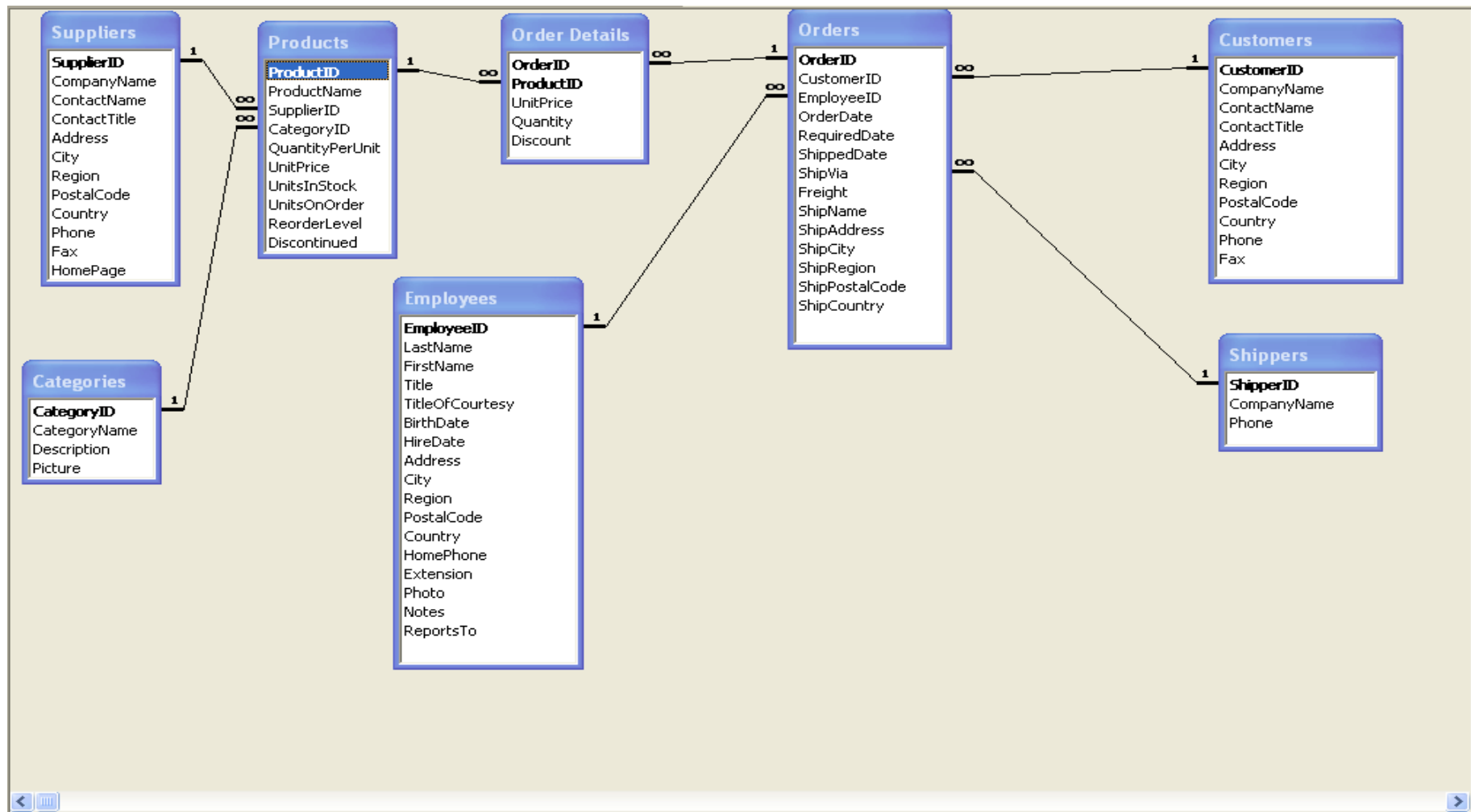


Diagram 1 – Order Processing Database