**Homework 1**

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Profile the following table in the Northwind Traders Database. The first two have been done for you in the previous part.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table** | **Type** | **Row Count** | **Business Key** | **One Row Is** |
| Employees | Master Data | 9 | None (PK used) | An Employee |
| EmployeeTerritories | Business Process | 49 | None (PK’s used) | An Employee assigned to a territory. |
| Customers | Master Data | 91 | CustomerID | A customer |
| Suppliers | Master Data | 29 | None (PK used) | A supplier |
| Products | Master Data | 77 | None (PK used) | Information about the product |
| Shipments (of Orders) | Business Process | 3 | None (PK used) | Shipments of Orders by the Customer |
| Details (of an Order) | Business Process | 2,155 | OrderID, ProductID | Other miscellaneous details of the product sold |

Write SQL Queries to answer the following questions which might be associated with functional business requirements in a data warehouse. For each of the following provide a screen shot of the SQL query, its output, and make sure your name or netid appears in the screenshot.

1. List the customer contact names and titles sorted by company name.

Graphical user interface, text, application

Description automatically generated

1. Factoring in discounts, what is total amount of product sold?

Graphical user interface, text, application

Description automatically generated

1. Provide a list of product category names with counts of products in each category.

Graphical user interface, text, application

Description automatically generated

1. Select a specific customer and display that customer’s orders with total amount of product sold for each order.

Graphical user interface, text, application

Description automatically generated

1. Select a specific employee and each order, how it was shipped (shipvia) company who shipped it, and the total number of days elapsed from order date to shipped date.

Graphical user interface, text, application, email

Description automatically generated