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Final Case SQL Module

Description

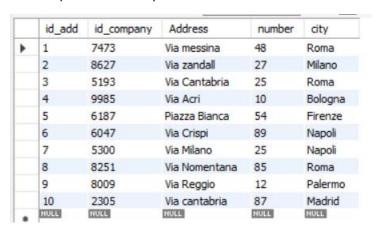
To develop the following case, I choose to create a fictional company that sells Automobile and motorcycle spare parts. The company is called GHA and operates in the Italian market.

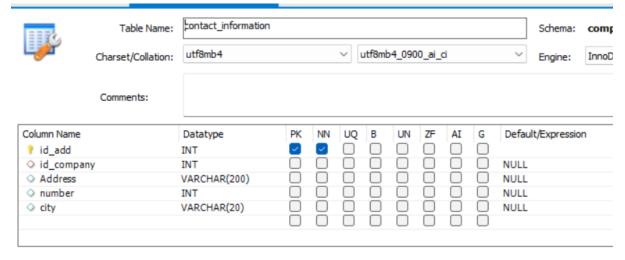
So, as business data analyst I have to perform some sale analysis over the year 2022, to enlighten how the company and its sales representatives performed over the year.

I created a database in SQL workbench called "Company sales" holding seven tables within the database:

The data is fictional, all these information is created by me for final module exercise solely.

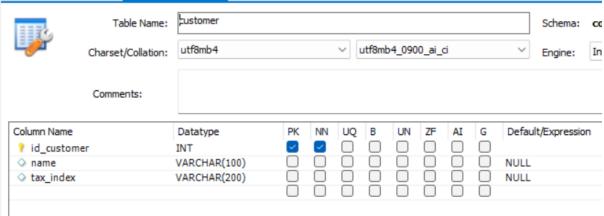
1. **Contact Information:** Contains the contact information for each of the reseller (Customers) companies for GHA products.



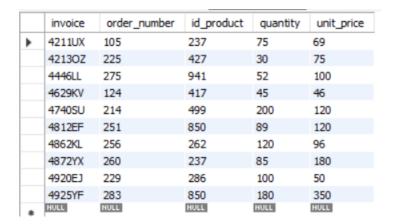


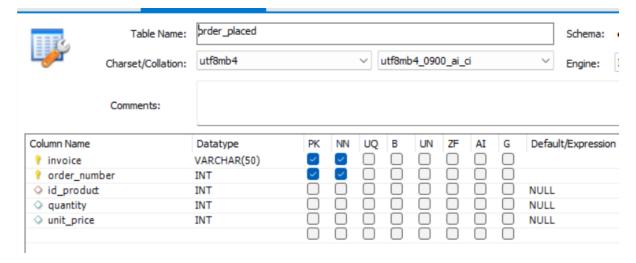
2. **Customer:** Contains the id, name and the taxation code for each reseller company





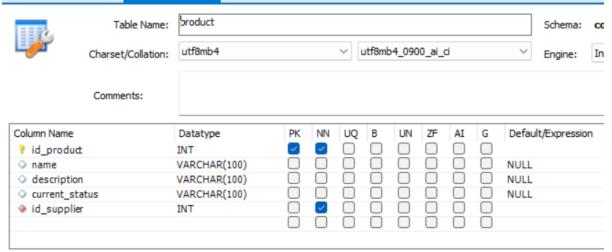
3. **Order Placed:** Contains the information for each placed order (Sell), which means that every time the company sells an order to the customer each order will be attached to an invoice number.



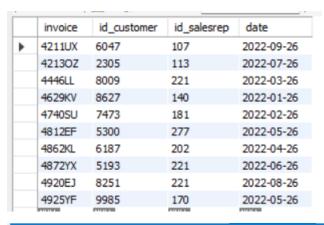


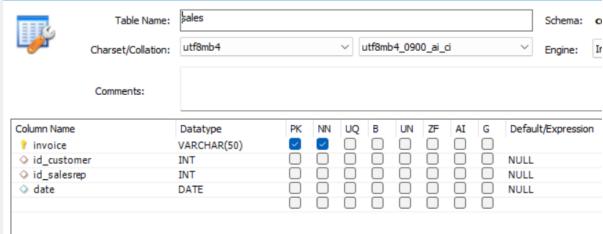
4. **Product:** Contains a general information for every and each product that the company offers on the Italian market. Also, has the information about the supplier id and the stock existence.



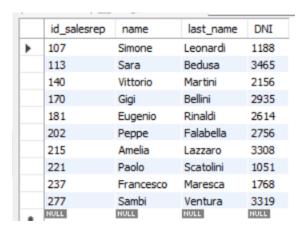


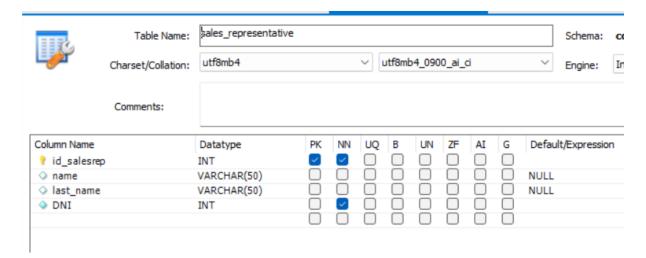
5. **Sales:** The different sales information over the year 2022.



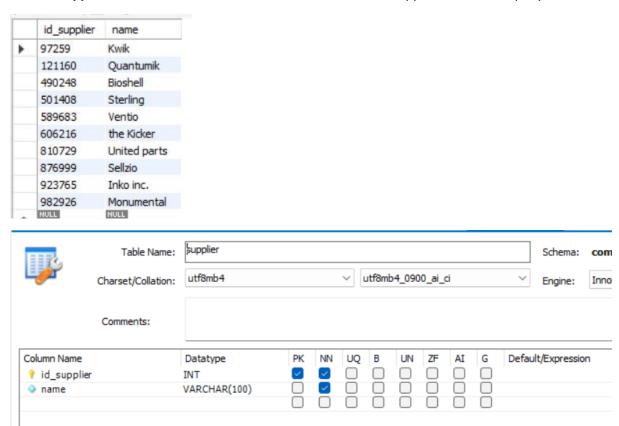


6. **Sales Representative:** Contains the information of the sales representatives of GHA company.





7. Supplier: Contains the id and name information of each supplier of GHA company



Queries for analysis

As a junior business analyst, I've been asked to perform some SQL queries to be shared with the board for them to have a better idea of how GHA performed last year(2022).

The board needs to know:

- 1. How many products are in the catalogue?
- 2. How many products are in Stock? it is important to remark that it refers to product existence itself not to quantity existence.

- 3. Which products have never been sold?
- 4. How many units were sold for each product?
- 5. What is the average number of units sold of each product?
- 6. Who is the top seller representative?
- 7. List all products for which more than 120 units have been sold?
- 8. Which are the resellers or customers located in Rome?