

SQL Repetition Exercise

2020-09-17

Instructions

Create and write down appropriate SQL & DML statements for fulfilling the requirements. Mind that tasks may have to be executed in order to make sense (e.g. if some data has been changed previously).

Tasks

1. Select all unique product names.
2. Select locations which do have at least one warehouse.
3. Select locations which do not have a warehouse and don't have a state defined.
4. Select locations in the United States and sort them by their postal code in descending order.
5. Select for every location the name of the warehouse or none if there isn't one.
6. Select for all products the total quantity stored at all warehouses, sorted by product id.
7. Take the previous query and extend it to only include products with a total quantity between 250 and 350; also replace the product id with the product name and order by quantity ascending.
8. For every customer with a credit limit > 3000 select the company name and the relation of its credit limit compared to the average one of all other customers in percent with two decimal places (e.g. 195.28%).
9. Select those customers which would achieve a credit limit of more than 4500 if their limit is increased by 30% but which did not have a limit > 4500 to start with.
10. For those contacts which have a phone number starting with '+86' set the customer id to null.
11. Remove those contacts which do not have a customer id set.
12. Add a new order for a customer with at least one item – to make it easier you may assume that you are the only user performing operations. Then select the newly inserted order and items.