

Querying the database – Part 2

SQL Practice Exercises - General

Exercise #1

Select the name, address, city, and region of employees.

Exercise #2

Select the name, address, city, and region of employees living in USA

Exercise #3

Select the name, address, city, and region of employees older than 50 years old.

Exercise #4

Select the name, address, city, and region of employees that have placed orders to be delivered in Belgium. Write two versions of the query, with and without join.

Exercise #5

Select the employee name and the customer name for orders that are sent by the company 'Speedy Express' to customers who live in Brussels.

Exercise #6

Select the title and name of employees who have sold at least one of the products 'Gravad Lax' or 'Mishi Kobe Niku'.

Exercise #7

Select the name and title of employees and the name and title of the person to which they refer (or null for the latter values if they don't refer to another employee).

Exercise #8

Select the customer name, the product name and the supplier name for customers who live in London and suppliers whose name is 'Pavlova, Ltd.' or 'Karkki Oy'.

Exercise #9

Select the name of products that were bought or sold by people who live in London. Write two versions of the query, with and without union.

Exercise #10

Select the names of employees who are strictly older than: (a) an employee who lives in London. (b) any employee who lives in London.

Exercise #11

Select the name of employees who work longer than any employee of London.

Exercise #12

Select the name of employees and the city where they live for employees who have sold to customers in the same city.

Exercise #13

Select the name of customers who have not purchased any product.

Exercise #14

Select the name of customers who bought all products with price less than 5.

Exercise #15

Select the name of the products sold by all employees.

Exercise #16

Select the name of customers who bought all products purchased by the customer whose identifier is 'LAZYK'

Exercise #17

Select the name of customers who bought exactly the same products as the customer whose identifier is 'LAZYK'

Exercise #18

Select the average price of products by category.

Exercise #19

Given the name of the categories and the average price of products in each category.

Exercise #20

Select the identifier and the name of the companies that provide more than 3 products.

Exercise #21

Select the identifier, name, and number of orders of employees, ordered by the employee identifier.

Exercise #22

For each employee give the identifier, name, and the number of distinct products sold, ordered by the employee identifier.

Exercise #23

Select the identifier, name, and total sales of employees, ordered by the employee identifier.

Exercise #24

Select the identifier, name, and total sales of employees, ordered by the employee identifier for employees who have sold more than 70 different products.

Exercise #25

Select the names of employees who sell the products of more than 7 suppliers.

Exercise #26

Select the customer name and the product name such that the quantity of this product bought by the customer in a single order is more than 5 times the average quantity of this product bought in a single order among all clients.