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| 1. **Show all info about the employee with ID 8.**   SELECT \* FROM employees  WHERE EmployeeID=8;  E:\Elenyel\Courses\Week_5\1.pngE:\Elenyel\Courses\Week_5\1_1.png |
| 1. **Show the list of first and last names of the employees from London**   SELECT FirstName, LastName AS 'Employees from London‘  FROM employees  WHERE City='London'  E:\Elenyel\Courses\Week_5\2.png |
| 1. **Show the list of first and last names of the employees whose first name begins with letter A.**   SELECT FirstName, LastName AS 'Employees from London‘  FROM employees  WHERE City='London'  AND FirstName LIKE 'A%';  E:\Elenyel\Courses\Week_5\3.png |
| 4**.Show the list of first, last names and ages of the employees whose age is greater than 55. The result should be sorted by last name.**  SELECT LastName, FirstName,  TIMESTAMPDIFF(YEAR, BirthDate, CURDATE()) AS age\_of\_employees  FROM employees  WHERE TIMESTAMPDIFF(YEAR,BirthDate,CURDATE()) > 55  ORDER BY LastName;  E:\Elenyel\Courses\Week_5\4.png |
| 1. **Calculate the count of employees from London**   SELECT COUNT(City)  FROM employees  WHERE City='London';  E:\Elenyel\Courses\Week_5\5.png |
| 1. **Calculate the greatest, the smallest and the average age among the employees from London.**   SELECT MIN(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS min\_age,  MAX(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS max\_age,  AVG(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS average\_age  FROM employees  WHERE City='London';  ------------------------------------------------------------------------------------------------  SELECT MIN(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS min\_age,  MAX(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS max\_age,  AVG(DATE\_FORMAT(NOW(), '%Y') - DATE\_FORMAT(BirthDate, '%Y') -  (DATE\_FORMAT(NOW(), '00-%m-%d') < DATE\_FORMAT(BirthDate, '00-%m-%d'))) AS average\_age  FROM employees  WHERE City='London';  E:\Elenyel\Courses\Week_5\6.png |
| **7.Calculate the greatest, the smallest and the average age of the employees for each city.**  SELECT City,  MIN(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS min\_age,  MAX(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS max\_age,  AVG(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS average\_age  FROM employees  GROUP BY City;  E:\Elenyel\Courses\Week_5\7.png |
| **8.Show the list of cities in which the average age of employees is greater than 60 (the average age is also to be shown)**  SELECT City, AVG(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS average\_age  FROM employees  GROUP BY City  HAVING AVG(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) > 60;  E:\Elenyel\Courses\Week_5\8.png |
| **9. Show the first and last name(s) of the eldest employee(s). Use a subquery**  SELECT LastName, FirstName, MAX(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS max\_age  FROM employees  WHERE TIMESTAMPDIFF(YEAR, BirthDate, CURDATE()) =  (SELECT MAX(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE()))  FROM employees);  https://i.gyazo.com/8cc5ab8e0b4174124e71bb8117ca6813.png |
| **10. Show first, last names and ages of 3 eldest employees.**  SELECT LastName, FirstName, TIMESTAMPDIFF(YEAR, BirthDate, CURDATE()) AS age  FROM employees  ORDER BY TIMESTAMPDIFF(YEAR, BirthDate, CURDATE()) DESC  LIMIT 3;  https://i.gyazo.com/e20db970d0440c0d3564ef3b0954b81d.png |
| **11.Show the list of all cities where the employees are from.**  SELECT DISTINCT city  FROM employees;  https://i.gyazo.com/be12f65a0647157df38b882cb7a59b95.png |
| **12. Show first, last names and dates of birth of the employees who celebrate their birthdays this month.**  SELECT FirstName, LastName, DATE(BirthDate)  FROM employees  WHERE MONTH(BirthDate)=5;  https://i.gyazo.com/7ffc567d148d572b278c3c9c31f25acc.png |
| **13. Show first and last names of the employees who used to serve orders shipped to Madrid.**  SELECT employees.LastName, employees.FirstName, orders.ShipCity  FROM employees INNER JOIN orders ON employees.EmployeeID=orders.EmployeeID  WHERE ShipCity='Madrid';  https://i.gyazo.com/bcc688e75a4bf5dcf3406f2b86e51f3d.png |
| **14.Show first and last names of the employees as well as the count of orders each of them have received during the year 1997 (use left join).**  SELECT employees.LastName, employees.FirstName, COUNT(orders.OrderID) AS amount\_of\_orders  FROM employees LEFT JOIN orders ON employees.EmployeeID=orders.EmployeeID  WHERE YEAR(orders.ShippedDate)=1997  GROUP BY employees.EmployeeID;  https://i.gyazo.com/efc38ab454645196e31b0632eb393157.png |
| **15.Show first and last names of the employees as well as the count of orders each of them have received during the year 1997 (use a subquery).**  SELECT employees.LastName, employees.FirstName, COUNT(orders.OrderID) AS amount\_of\_orders  FROM employees, orders  WHERE employees.EmployeeID=orders.EmployeeID AND  YEAR(orders.ShippedDate)=1997  GROUP BY employees.EmployeeID;  https://i.gyazo.com/fffed8681e72e6dd4baccfc9d91be9e5.png |
| **16.Show first and last names of the employees as well as the count of their orders shipped after required date during the year 1997 (use left join).**  SELECT employees.LastName, employees.FirstName, COUNT(orders.OrderID) AS expired\_oders  FROM employees LEFT JOIN orders ON employees.EmployeeID=orders.EmployeeID  WHERE YEAR(orders.ShippedDate)=1997 AND DATE(orders.ShippedDate) > DATE(orders.RequiredDate)  GROUP BY employees.EmployeeID;  https://i.gyazo.com/f9df3a6d978b1e2792bd9a03b3927efd.png |
| **17.Show the count of orders made by each customer from France.**  SELECT COUNT(OrderID) AS amount\_of\_orders, customers.CompanyName, customers.Country  FROM orders, customers  WHERE customers.CustomerID=orders.CustomerID AND customers.Country='France'  GROUP BY customers.CompanyName;  https://i.gyazo.com/a6f6b3a1f982b29bcc924d7edcc37c73.png |
| **12.** **18. Show the list of french customers’ names who have made more than one order (use grouping).**  SELECT customers.CompanyName, COUNT(orders.OrderID) AS amount\_of\_orders  FROM customers INNER JOIN orders ON customers.CustomerID=orders.CustomerID  WHERE customers.Country='France'  GROUP BY customers.CompanyName  HAVING COUNT(orders.OrderID)>1;  https://i.gyazo.com/af79c75db8d4c4792c3b53a8ec88e838.png |
| **19. Show the list of french customers’ names who have made more than one order (use a subquery).**  SELECT customers.CompanyName, COUNT(orders.OrderID) AS amount\_of\_orders  FROM customers INNER JOIN orders ON customers.CustomerID=orders.CustomerID  WHERE customers.Country='France'  AND (SELECT COUNT(orders.OrderID)>1  FROM orders)  GROUP BY customers.CompanyName;  https://i.gyazo.com/37638071cbf9004e1c575c7f8d323d73.png |
| **20. Show the list of customers’ names who used to order the ‘Tofu’ product (use a subquery).**  SELECT DISTINCT customers.CompanyName, products.ProductName  FROM products INNER JOIN orderdetails  ON products.ProductID=orderdetails.ProductID  INNER JOIN orders  ON orderdetails.OrderID=orders.OrderID  INNER JOIN customers ON orders.CustomerID=customers.CustomerID  WHERE products.ProductName='Tofu';  ---------------------------------------------------------------------------------------------  SELECT DISTINCT customers.CompanyName, products.ProductName  FROM products INNER JOIN orderdetails  ON products.ProductID=orderdetails.ProductID  INNER JOIN orders  ON orderdetails.OrderID=orders.OrderID  INNER JOIN customers ON orders.CustomerID=customers.CustomerID  WHERE products.ProductName=  (SELECT products.ProductName  FROM products  WHERE ProductID=14);  https://i.gyazo.com/ad531b2fba11dd1edc6a78a0827e25bd.png |
| **21 \*Show the list of customers’ names who used to order the ‘Tofu’ product, along with the total amount of the product they have ordered and with the total sum for ordered product calculated.**  SELECT customers.CompanyName, products.ProductName, COUNT(customers.CompanyName) AS tofu\_orders, SUM(products.UnitPrice) AS total\_summ  FROM products INNER JOIN orderdetails  ON products.ProductID=orderdetails.ProductID  INNER JOIN orders  ON orderdetails.OrderID=orders.OrderID  INNER JOIN customers ON orders.CustomerID=customers.CustomerID  WHERE products.ProductName='Tofu'  GROUP BY customers.CompanyName  https://i.gyazo.com/d80659064045ac2a61271a9bdf6ccd66.png |
| **22.\*Show the list of french customers’ names who used to order non-french products (use left join).**  SELECT customers.CompanyName, products.ProductName  FROM customers LEFT JOIN orders  ON customers.CustomerID=orders.CustomerID  INNER JOIN orderdetails  ON orders.OrderID=orderdetails.OrderID  INNER JOIN products  ON orderdetails.ProductID=products.ProductID  INNER JOIN suppliers  ON products.SupplierID=suppliers.SupplierID  WHERE suppliers.Country!='France' AND customers.Country='France';  https://i.gyazo.com/aa4cfe15d09d68a1ba27e84a9266fbfd.png |
| **SELECT customers.CompanyName, products.ProductName**  FROM customers, products, orders, orderdetails, suppliers  WHERE customers.CustomerID IN(  SELECT orders.CustomerID  FROM orders  WHERE orders.OrderID IN(  SELECT orderdetails.OrderID  FROM orders  WHERE orderdetails.ProductID IN(  SELECT products.SupplierID  FROM products  WHERE products.SupplierID=suppliers.SupplierID  )  )  )  AND suppliers.Country!='France' AND customers.Country='France'  ORDER BY customers.CompanyName; |
| **24.\*Show the list of french customers’ names who used to order french products.**  SELECT customers.CompanyName, products.ProductName  FROM customers LEFT JOIN orders  ON customers.CustomerID=orders.CustomerID  INNER JOIN orderdetails  ON orders.OrderID=orderdetails.OrderID  INNER JOIN products  ON orderdetails.ProductID=products.ProductID  INNER JOIN suppliers  ON products.SupplierID=suppliers.SupplierID  WHERE suppliers.Country='France' AND customers.Country='France';  https://i.gyazo.com/2b4cb9ffecda2f9212e11f674c263b28.png |
| **\*Show the total ordering sum calculated for each country of customer.** |
| **31\* Insert 5 new records into Employees table. Fill in the following fields: LastName, FirstName, BirthDate, HireDate, Address, City, Country, Notes. The Notes field should contain your own name (to distinguish your records from the ones inserted by other trainees).**  INSERT INTO employees  (LastName, FirstName, BirthDate, HireDate, Address, City, Country, Notes)  VALUES(  'Svyryd', 'Victoria', '1988-12-25', '2016-06-02', '54 Hotkevych Str.', 'Ivano-Frankivsk', 'Ukraine', 'Graduated from Precarpathian University');  **32.**\***Fetch the records you have inserted by the SELECT statement**  https://i.gyazo.com/17107f99044afe61ad8a4280799265b2.png |
| **33.\*Change the City field in one of your records using the UPDATE statement (first run the SELECT statement to check whether you are updating the appropriate records!).**  UPDATE employees  SET City='Lviv'  WHERE EmployeeID=10;  https://i.gyazo.com/3d42f8137447f36e3f8e129a82cb4bd6.png |
| **34.\*Change the HireDate field in all your records to current date (first run the SELECT statement to check whether you are updating the appropriate records!).**  UPDATE employees  SET HireDate=current\_date()  WHERE EmployeeID=10;  https://i.gyazo.com/92411ce1ce3523a734635de0ec3c23d9.png |
| **35.\*Delete one of your records (first run the SELECT statement to check whether you are deleting the appropriate record!).**  DELETE  FROM employees  WHERE EmployeeID=10;  https://i.gyazo.com/8ee6f2e48ce27e7000a14d5b2d70cfb1.png |