SQL Exercises

***https://www.w3schools.com/sql/trysql.asp?filename=trysql\_desc***

1. Show all rows for Customers

**SELECT** \* **FROM** Customers;

1. Show only Contact name information for Customers

**SELECT** ContactName **FROM** Customers;

1. Show all unique combinations between Cities and Countries for the customers

**SELECT** **DISTINCT** City, Country **FROM** Customers;

1. Insert 3 new Customers

**INSERT INTO** Customers (CustomerName, ContactName, Address, City, PostalCode, Country)

**VALUES** ('Pizza1', 'Ivan Ivanov', 'Mladost 2', 'Sofia', '1000', 'Bulgaria'),

('Pizza2', 'George Ivanov', 'Drujba', 'Sofia', '1000', 'Bulgaria'),

('Pizza3', 'Peter Ivanov', 'Lagera', 'Sofia', '1000', 'Bulgaria');

1. Move all orders made by Andrew Fuller to Nancy Davolio

**UPDATE** Orders

**SET** EmployeeID = '1'

**WHERE** EmployeeID = '2';

1. Group all products by category and show category name

**SELECT** \*, **COUNT**(p.ProductName) **FROM** Products p

**INNER** **JOIN** Categories c

**ON** p.CategoryID = c.CategoryID

**GROUP BY** CategoryName;

1. Sort all employees by Last Name and delete the last one. Do not remember to move all his/her orders to another colleague

**SELECT** \* **FROM** Employees

**ORDER BY** LastName;

**UPDATE** Orders

**SET** EmployeeID = 5

**WHERE** EmployeeID = 10;

**DELETE FROM** Employees

**WHERE** EmployeeID = 10;

1. Show all customers without orders

**SELECT** c.CustomerName, o.OrderID **FROM** Customers c

**LEFT** **JOIN** Orders o

**ON** c.CustomerID = o.CustomerID

**WHERE** o.OrderID **IS** **NULL**;

1. Show all products including 'ch' in its name with price between 10 and 20

**SELECT** \* **FROM** Products

**WHERE** ProductName **LIKE** '%ch%'

**AND** Price **BETWEEN** 10 **AND** 20;

1. Group all products from 9 by category and sort by count in descending order

**SELECT** \* **FROM** Products

**WHERE** ProductName **LIKE** '%ch%'

**AND** Price **BETWEEN** 10 **AND** 20

**GROUP BY** CategoryID

**ORDER BY COUNT**() **DESC;**