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 (CustomerID, CustomerName, ContactName, Address, City, PostalCode, Country)

VALUES (92,'IBM','Ivan Petrov','5 Rezbarska Str.','Sofia',1000,'Bulgaria'),

(93,'DXC','Georgi Blagoev','111 Aleksandar Malinov Blvd.','Sofia',1766,'Bulgaria'),

(94,'VMware','Petar Mladenov','8 Dondukov Str.','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 \* FROM Products

LEFT JOIN Categories

ON Products.CategoryID=Categories.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

*--Sorting all employees by LastName*

SELECT \* FROM [Employees]

ORDER BY LastName;

*--Moving the orders of the last employee to another one*

UPDATE Orders

SET EmployeeID=3

WHERE EmployeeID = 10;

*--Deleting the last employee from the sorted list*

DELETE FROM Employees

WHERE EmployeeID=10;

1. Show all customers without orders

SELECT \* FROM Customers

LEFT JOIN Orders

ON Customers.CustomerID=Orders.CustomerID

WHERE Orders.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;