SQL Exercises

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

1. Show all rows for Customers

Answеr - SELECT \* FROM Customers;

1. Show only Contact name information for Customers

Answer - SELECT ContactName From Customers;

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

Answer - SELECT distinct City , Country From Customers;

1. Insert 3 new Customers

Answer 1- INSERT INTO Customers (CustomerName, ContactName, Address, City, PostalCode, Country)VALUES ('Ivan','Ivan B. Georgiev','Pirotska 22','Varna','9000','Varna');

Answer 2 - INSERT INTO Customers (CustomerName, ContactName, Address, City, PostalCode, Country)VALUES ('Georgi','Nikolay G. Petrov’,'P.Evtimii 72','Svishtov','5250','BG');

Answer 3 - INSERT INTO Customers (CustomerName, ContactName, Address, City, PostalCode, Country)VALUES ('Petar','Vasil G. Todorov','Petrohan 44','Rousse','4006','Bulgaria');

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

Answer – UPDATE orders

SET EmployeeID='2'

WHERE EmployeeID='1';

1. Group all products by category and show category name

Answer – SELECT Categories.CategoryName

COUNT(Products.ProductID) AS NumberOfProducts

FROM Products

LEFT JOIN Categories

ON Products.ProductID=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

Answer – SELECT \* FROM [Employees]GROUP BY LastName

UPDATE OrdersSET EmployeeID = (SELECT EmployeeId FROM Employees WHERE LastName = "King" AND FirstName = "Robert" AND BirthDate = "1960-05-29")WHERE EmployeeID = (SELECT EmployeeId FROM Employees WHERE LastName = "West" AND FirstName = "Adam" AND BirthDate = "1928-09-19");

DELETE FROM Employees WHERE EmployeeID=10;

1. Show all customers without orders

Answer - SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate

FROM Orders

INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID

WHERE OrderID IS NULL

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

Answer - SELECT \* FROM ProductsWHERE ProductName LIKE '%ch%'AND (Price BETWEEN 10 AND 20);

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

Answer - SELECT \*FROM Productswhere productname like '%ch%'and price between 10 and 20Group by categoryidOrder by categoryid desc