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

*Step 1*

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

*VALUES('Maria Petroff', 'Josiv Michaels', '35/2 MonteVideo', 'Zagreb', '10515', 'Croatia')*

*Step 2*

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

*VALUES('Thomas Mann', 'Gerda Bird', '89 Freedom bld', 'Essen', '50742', 'Germany')*

*Step 3*

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

*VALUES('Gabriela Sokolova', 'Adam Sokolov', '48 Sitnqkovo bld', 'Sofia', '1550', 'Bulgaria')*

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

*Step one:*

*SELECT \* FROM Employees;*

*(We can see EmployeeID*

*Nansi Davolio is with EmployeeID=1*

*Andrew Fuller is with EmployeeID=2)*

*Step two:*

*UPDATE orders*

*SET EmployeeID=’1’*

*WHERE EmployeeID=’2’;*

1. Group all products by category and show category name

*SELECT products.productName, categories.categoryName FROM products*

*INNER JOIN categories*

*ON products.categoryID=categories.categoryID*

*ORDER BY categories.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

*Step one:*

*SELECT \* FROM Employees;*

*ORDER BY LastName*

*(We can see the last employee is Adam West with EmployeeID=10)*

*Step two*

*UPDATE orders*

*SET EmployeeID=’9’*

*WHERE EmployeeID=’10’;*

*Step three*

*Delete from Employees*

*Where Lastname=’West’*

1. Show all customers without orders

*SELECT customers.CustomerName, Orders.OrderID*

*FROM customers*

*LEFT JOIN orders*

*ON customers.customerID=orders.customerID*

*WHERE orders.orderID=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;*