SQL Exercises

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

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| **CustomerID** | **CustomerName** | **ContactName** | **Address** | **City** | **PostalCode** | **Country** |

1. **Show all rows for Customers**

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| SELECT \* FROM Customers |

1. **Show only Contact name information for Customers**

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| SELECT CustomerName FROM Customers |

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

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| SELECT DISTINCT CITY, COUNTRY FROM Customers |

1. **Insert 3 new Customers**

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| INSERT INTO Customers  VALUES ('92','Michael Jackson','Jacksons 5','Neverland','Los Angeles','30000','USA'),('93','Madonna','Like a virgin','Big House','Los Angeles','30000','USA'),('94','Whitney Houston','Bodyguard','Big Boss','Los Angeles','30000','USA') |

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

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| UPDATE ORDERS SET EMPLOYEEID=(SELECT EmployeeId FROM [Employees]  WHERE LastName='Fuller'and FirstName='Andrew')  WHERE EMPLOYEEID=(SELECT EmployeeId FROM [Employees]  WHERE LastName='Davolio'and FirstName='Nancy') |

1. **Group all products by category and show category name**

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| SELECT Products.ProductName, Products.CategoryID, Categories.Categoryname FROM Products  INNER Join Categories  ON Products.CategoryID=Categories.CategoryID |

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

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| UPDATE ORDERS SET EMPLOYEEID=(SELECT EmployeeID FROM Employees  ORDER BY LastName ASC  LIMIT 1)  WHERE EMPLOYEEID=(SELECT EmployeeID FROM Employees  ORDER BY LastName DESC  LIMIT 1) |
| DELETE FROM Employees  WHERE EmployeeID=(SELECT EmployeeID FROM Employees  ORDER BY LastName DESC  LIMIT 1) |

1. **Show all customers without orders**

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| SELECT Customers.CustomerName, Orders.OrderID  FROM Customers  LEFT JOIN Orders  ON Customers.CustomerID=Orders.CustomerID  WHERE OrderID is null |

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

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| 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**

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| SELECT CategoryID,COUNT(\*) AS TotalCount  FROM Products  WHERE (ProductName like '%ch%'  AND Price BETWEEN 10 AND 20)  GROUP BY CategoryID |