HOMEWORK WEEK 1

(handout for students)

For this homework, you must submit the code and results for each query.

HINT: Remember with SQL queries you want to return only relevant data, the more unnecessary columns you have - the more diluted the purpose of the query.

TASK 1

USE PARTS DB TO WRITE THE FOLLOWING QUERIES

1. Find the name of each part where the weight is less than 14. 2. Find all **unique** supplier(s) where their status is equal to 30.

TASK 2

USE SHOP SALES DB TO WRITE THE FOLLOWING QUERIES

1. Find out how many sales (amount) were recorded each week, per day ○ **This would look like:**
   Week 1, Tuesday, £x
   Week 1, Wednesday, £x
   Week 2, Monday, £x
   Week 2, Friday, £x
2. Change the name of salesperson Inga to be Annette instead, but only where Ignas Sales are <20.
3. Find out how many sales the Dusseldorf office logged
   ○ Note we're looking for quantity here - e.g. if Dusseldorf did 6 sales, then the output would be 6)
4. Find the total (sum) sales amount by each person by day
5. How much (sum) each person sold for between week 2 and week 4
6. For each store:
   ○ The total of their sales;
   ○ The number of sales;
   ○ Their average sales;
   ○ Their lowest sales amount;
   ○ Their highest sales amount.

7. Count the number of sales by each person if they had more than or equal to 2 sales for the past period

8. Find the number (count) of sales by each person, but only if they made less than £300 worth of sales for the past period.

FOUNDATION

TASK 3

USE PARTS DB TO WRITE THE FOLLOWING QUERIES

1. Return the PartID, Colour and Supplier name, where the supplier's surname contains 'LA' (can be preceded or followed by other characters), and the Supplier city is not Athens. Ensure the values are Unique.

2. Return the supplier name, part name and project name for each case where the following conditions are true:
    - i. The supplier supplies a project with a part;
    - Ii. And where the supplier's city, project city and part city are all different.