

HOMework WEEK 1

(handout for students)

TASK 1

USE PARTS DB TO WRITE THE FOLLOWING QUERIES

1. Find the name and weight of each red part
2. Find all **unique** supplier(s) name from London

(you must submit the code and results)

TASK 2

USE SHOP SALES DB TO WRITE THE FOLLOWING QUERIES

1. Find out how many sales (quantity) were recorded each week, per day (where available)
 - **This would look like:**
Week 1, Tuesday, 5
Week 1, Wednesday, 2
Week 2, Monday, 1
Week 2, Friday, 8
2. Change the name of salesperson Inga to be Annette instead
3. Find out how many sales Annette logged
 - Note we're looking for quantity here - e.g. if Annette did 6 sales, then output would be 6)
4. Find the total (sum) sales amount by each person by day
5. How much (sum) each person sold for
6. How much (sum) each person sold for, including the number of sales per person, their average, lowest and highest sale amounts
7. Find the total (sum) monetary sales amount achieved by each store
8. Find the number of sales by each person if they did less than 3 sales for the past period
9. Find the total (sum) amount of sales by month where combined total is less than £100

TASK 3

USE PARTS DB TO WRITE THE FOLLOWING QUERIES

NOTES:

The questions are more challenging than we have had before. However, we need to step up to be able to combine all data retrieval techniques that we have learnt so far. Hint - you should write a subquery, see the outcome, then nest it into the main query. It would give you an idea of what kind of result you produce after each step.

It is also a good idea to see the outcome after joining the tables, so one can see a newly produced 'master table' that gets queried.

1. Return the name and city of each project that's **not** supplied by a London-based supplier
 - Note that projects have multiple suppliers here - we're looking for project/s where **none of their suppliers** are London-based
 - Hint: Only ~three projects are comprised of exclusively non-london based suppliers!
2. Return the supplier name, part name and project name for each case where not only does the supplier supply a project with a part, but also the supplier's city, project city and part city are the same