

4. Subqueries

!!!For all the tasks try to use as few subqueries as possible!!!

4.1 Show the product with the largest average price over the market.

4.2. Show one sample ware from each category.

4.3. Show the most expensive ware in each category and its price

4.4. Show the list of all the “greedy” companies, i.e. companies selling all the wares they are producing with the prices at least 20% higher than average price for this product on the market.

4.5. Show the companies that produce all the wares from any category. Result should contain the company and the category and be sorted by the category. If the company covers multiple categories in such way, there should be multiple rows for this company. To prove that the result is correct enrich it with the additional column showing all the wares in the given category that the given company is actually producing.

4.6. For each recipe show the company, all the materials, products, total price of all the products considering their amounts. There must be exactly one row per recipe and the result must be ordered by company.

4.7. For each product show

- all the unique sets of materials used in different variants of recipes
- all the possible byproducts (i.e. additional products in the same recipe)

There must be exactly one row per ware.

4.8. Show all the companies with the largest number of different wares they producing and their lists of wares in alphabetical order.