**Advanced SQL**

1. Write a SQL query to find the names and salaries of the employees that take the minimal salary in the company.
2. Write a SQL query to find the names and salaries of the employees that have a salary that is up to 10% higher than the minimal salary for the company.
3. Write a SQL query to find the full name, salary and department of the employees that take the minimal salary in their department.
4. Write a SQL query to find the average salary in the department #1.
5. Write a SQL query to find the average salary in the "Sales" department.
6. Write a SQL query to find the number of employees in the "Sales" department.
7. Write a SQL query to find the number of all employees that have manager.
8. Write a SQL query to find the number of all employees that have no manager.
9. Write a SQL query to find all departments and the average salary for each of them.
10. Write a SQL query to find the count of all employees in each department and for each town.
11. Write a SQL query to find all managers that have exactly 5 employees. Display their first name and last name.
12. Write a SQL query to find all employees along with their managers. For employees that do not have manager display the value "(no manager)".
13. Write a SQL query to find the names of all employees whose last name is exactly 5 characters long.
14. Write a SQL query to display the current date and time in the following format "day.month.year hour:minutes:seconds:milliseconds".
15. Write a SQL query to display the average employee salary by department and job title.
16. Write a SQL query to display the town where maximal number of employees work.
17. Write a SQL query to display the number of managers from each town.
18. Create a table Users. Users should have username, password, full name and last login time.
    * Choose appropriate data types for the table fields. Define a primary key column with a primary key constraint.
    * Define the primary key column as auto-increment to facilitate inserting records.
    * Define unique constraint to avoid repeating usernames.
    * Define a check constraint to ensure the password is at least 5 characters long.
19. Write SQL statements to insert in the Users table the names of all employees from the Employees table.
    * Combine the first and last names as a full name.
    * For username use the first 3 letters of the first name + the last name (in lowercase).
    * Use the same for the password.
    * Use HireDate for last login time.
20. Write a SQL statement that changes the password to NULL for all users that have not been in the system since year 1999.
21. Write a SQL statement that deletes all users without passwords (NULL password).