

## Laboratory work #9

Please write SQL queries for following tasks and save as .sql file.

1. Create table Employees:

id | name | age | address | salary | department\_id

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1 | Paul | 32 | California | 20000 | 80

2 | Allen | 25 | Texas | 15000 | 60

3 | Teddy | 23 | Norway | 20000 | 60

4 | Mark | 25 | Rich-Mond | 65000 | 40

5 | David | 27 | Texas | 85000 | 30

6 | Kim | 22 | South-Hall | 45000 | 50

7 | James | 24 | Houston | 10000 | 10

2. Create View Address\_view which contains only name and address from Employees table.
3. Rename a view Address\_view .
4. Create a view which stores only the address of David from view Address\_view.
5. Drop view Address\_view.
6. Create a role (without a password) that can log in.
7. Create a role with a password that is valid until the end of 2019. After first january in 2020, the password is no longer valid.
8. Create a role that can create databases and manage roles.
9. Change a role's password 'dsa8tyu75'; Remove a role's password.
10. Change a password expiration date, specifying that the password should expire at midday on 1th May 2020 using the time zone which is one hour ahead of UTC.
11. Make a password valid forever.
12. Give a role a non-default setting of the maintenance\_work\_mem parameter.
13. Create a materialized view with no data which contains all employees with salary greater than 20000.
14. Create a view 'emp\_view' taking records (for employee\_id, name, salary columns) of employees table if those records contain the value 50 for department\_id column.
15. Drop view from task 14 (use CASCADE).
16. Create a materialized view 'emp\_mview' taking all the records of employees table, if (A)first\_name of the employee starts with any of the characters from 'A' through 'H' and (B) salaries are any of the following 10000,20000,15000.