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
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 After first january in 2020, the password is no longer valid.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 7 (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.