Laboratory work #3

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

1. Create database called «lab3»
2. Download lab3.sql file from intranet. Copy content of the file and run using Query Tool (check if tables created)
3. Select the last name of all employees.
4. Select the last name of all employees, without duplicates.
5. Select all the data of employees whose last name is «Smith".
6. Select all the data of employees whose last name is "Smith" or «Doe".
7. Select all the data of employees that work in department 14.
8. Select all the data of employees that work in department 37 or department 77.
9. Select the sum of all the departments' budgets.
10. Select the number of employees in each department. You only need to show the department code and the number of employees. (Use count(*) operator for counting the number of employees)
11. Select the department code with more than 2 employees.
12. Select the name of the department with second highest budget.
13. Select the name and last name of employees working for departments with lowest budget.
14. Select the name of all employees and customers from Almaty.

15. Select all departments with budget more than 60000, sorted by increasing budget and decreasing code

16. Reduce the budget of department with lowest budget by 10%.

17. Reassign all employees from the Research department to the IT department.

18. Delete from the table all employees in the IT department.

19. Delete from the table all employees.