Laboratory work #2

1. Please write SQL queries for the following tasks and save them as a .sql file.

2. Create a database called 'lab2'.

3. Write SQL statements to create tables as shown in the figure below.

Изображение выглядит как текст, снимок экрана, диаграмма, Мультимедийное программное обеспечение

Автоматически созданное описание

5. Write SQL statements describing tables with appropriate data types and constraints that satisfy the following conditions (you may need additional tables to store data atomically and efficiently):

6. A 'students' table storing data such as full name, age, birth date, gender, average grade, nationality, phone number, and social category.

7. An 'instructors' table storing data such as full name, spoken languages, work experience, and the possibility of having remote lessons.

8. A 'student\_relatives' table storing data such as full name, address, phone number, and position.

9. A 'student\_social\_data' table storing data such as school, graduation date, address, region, country, GPA, and honors.

11. Provide examples of insertion, update, and deletion of data in the tables from exercise 2.

16. Explain the difference between DDL and DML and give the following examples:

17. At least 3 DDL commands.

18. At least 4 DML commands.