

## Laboratory work #1

**Instructions:** Write SQL queries to complete the following tasks and save your results as a .sql file.

1. **Create a new database:** Name the database "**lab1**".
2. **Create a table** named "**clients**" with the following fields:
  - client\_id (auto-incrementing integer)
  - first\_name (string, max length 60)
  - last\_name (string, max length 60)
  - email (string, max length 100)
  - date\_joined (date)
3. **Add a column** named "**status**" to the "**clients**" table (integer, 0 or 1).
4. **Change the type** of the "status" column to **boolean**.
5. **Set a default value** of **true** for the "status" column.
6. **Add a primary key constraint** to the client\_id column.
7. **Create another table** named "**orders**" with the following fields:
  - order\_id (auto-incrementing integer)
  - order\_name (string, max length 100)
  - client\_id (integer, foreign key referencing the "clients" table)
8. **Delete the "orders" table.**
9. **Delete the "lab1" database.**