

# Database Administration

## Laboratory

### Part 3. Users and privileges

*Most activities assisted by MySQL Workbench.*

Please attach screenshots, issued statements, and produced files as parts of a project documentation.

#### 1. Managing database users in MySQL Workbench

- a) Create a user – select statement only for the whole database.
- b) Test the user – new connection and delete statement.
- c) Delete the user – remove the database user created in a).

#### 2. Designing users and roles for a project database

- a) Figure out database users examples fitting your database purpose. Include their short characteristics into the project documentation.
- b) Ensure that the examples cover all levels of privileges, i.e.: global, database, table, column, stored routine, proxy.
- c) Briefly describe roles that are predefined in MySQL database server. Include descriptions as a part of the project documentation.

#### 3. Managing MySQL database users in a database console

- a) Write an SQL query displaying available database users.
- b) Create users from point 2. using a database console.
- c) Grant appropriate privileges to users from point b) using a database console.

#### **4. Write 1 SQL statement being an example of:**

- a) revoking a chosen privileges from one of the users.
- b) revoking all of the privileges from one of the users.
- c) granting a role to a user.
- d) renaming a user.
- e) creating a role.
- f) locking a user.
- g) unlocking a user.
- h) deleting a user.

#### **5. Exporting and importing database users**

- a) Export created users and their privileges.
- b) Import created database users.