

Course: Database management
Unit: Intermediate SQL 2
Material: Authorization

1. Connect to MariaDB as root.
2. Create a user named "my_user" identified by "my_password".
3. Create a database named "my_database".
4. Open a second shell. Connect to MariaDB as "my_user".
5. Try to use the database my_database. Does it work?
6. Go back to the terminal with the root user and grant all privileges to "my_user" to use "my_database". Grant access from any host ('my_user'@'%') .
7. Go to the 'my_user' terminal and connect to the database.
8. With the root terminal user, create a table named "my_table" in "my_database". create table my_table(c1 int);
9. In the my_user terminal, see if you can run a select query on 'my_table' with 'my_user'.
10. With the user root, revoke the select privilege on my_database to user my_user. revoke select on my_database.* from my_user;
11. In the 'my_user' terminal, disconnect from MariaDB and then connect again. Use my_database. Try to repeat the select query on my_table. What happens?
12. Can you run an insert? Why? insert into my_table values (1);
13. Find a list of the privileges that can be granted and revoked.
14. In the my_user terminal, run the "show grants" command. What can you see?
15. In the root terminal, run the "show grants" command. What can you see?
16. What is the meaning of the "with grant" keywords?
17. In the root terminal, create a new user my_user_2 identified by my_password_2.
18. In the my_user terminal, try to grant the insert privilege on my_database to my_user_2. Does it work? Why?