LU09.S01 - SQL- DCL: Preparatory Work - Under Construction

Case studies / Assignments

Task A

Create the User: Create a user named *restrictedUser* with the password *SafePassword123* using the *mysql_native_password* plugin.

```
CREATE USER 'restrictedUser'@'localhost' IDENTIFIED WITH
mysql_native_password BY 'SafePassword123';
```

Task B

Grant Privileges Without Table Management: Grant the user *restrictedUser* the ability to read and write data but not to create, alter, or drop tables. Use the following commands to give only the required privileges.

```
GRANT SELECT, INSERT, UPDATE, DELETE ON myAppDB.* TO
'restrictedUser'@'localhost';
```

Task C

Rovoke Privileges: To be certain that nothing unintended can happen revoke the CREATE, ALTER, and DROP privileges explicitly.

```
REVOKE CREATE, ALTER, DROP ON myAppDB.* FROM 'restrictedUser'@'localhost';
```

Tasc D

View the User's Privileges: Check the privileges to ensure that the user cannot manage tables.

```
SHOW GRANTS FOR 'restrictedUser'@'localhost';
```

Task E

Test the User's Access: Connect as *restrictedUser* and try to perform a CREATE TABLE or DROP TABLE operation. The attempt should result in a permission error.

1. Go to Webstorm and try to connect to the database

2. Then display the systemdate from mysql (select is allowed)
3. Finally, try to create a table (it should fail, because this user has no privileges to create tables)

Task F

Delete the User (optional): After testing, you can delete the user if they are no longer needed.

Solution

[Lösung]

Vocabulary

English	German
explicitly	ausdrücklich
assignment	Auftrag
to revoke	widerrufen, aufheben

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