

# LU09.S01 - SQL- DCL: CREATE User - 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

**Revoke 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';
```

### Task 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
explicitely	ausdrücklich
assignment	Auftrag
to revoke	widerrufen, aufheben



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