

DATA CONTROL LANGUAGE

Structured Query Language (SQL)

Author: Eng. Carlos Andrés Sierra, M.Sc.
cavirguezs@udistrital.edu.co

Lecturer
Computer Engineer
School of Engineering
Universidad Distrital Francisco José de Caldas

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Data Control Language (DCL)

DCL (*Data Control Language*) is a **subset** of **SQL** that is used to **create**, **modify**, and **delete database users**.

PostgreSQL Example

```
CREATE USER myUser WITH PASSWORD 'myPassword';
```

```
ALTER USER myUser WITH PASSWORD 'newPassword';
```

```
DROP USER myUser;
```



Data Control Language (DCL)

MySQL Example

```
CREATE USER 'myUser'@'%' IDENTIFIED BY 'myPassword';  
ALTER USER 'myUser'@'%' IDENTIFIED BY 'newPassword';  
DROP USER 'myUser'@'%' ;
```



Data Control Language (DCL)

Grants in **SQL** are used to **grant privileges** to **database users**.

PostgreSQL — MySQL Example

```
GRANT SELECT, INSERT, UPDATE, DELETE  
ON schemaName.myTable TO myUser;
```

```
REVOKE SELECT, INSERT, UPDATE, DELETE  
ON schemaName.myTable FROM myUser;
```



Thanks!

Questions?



Repo: <https://github.com/EngAndres/ud-public/tree/main/courses/databases-foundations>

