

DATA CONTROL LANGUAGE

Structured Query Language (SQL)

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Outline



Data Control Language (DCL)

Security \Rightarrow $\begin{cases} \text{Users} \\ \text{grants} \end{cases}$

root \Rightarrow super admin

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

DBA

PostgreSQL Example

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

```
UPDATE myUser SET password = 'newPassword'  
WHERE username = 'myUser';
```

```
DROP USER myUser;
```



Data Control Language (DCL)

MySQL Example

```
CREATE USER myUser IDENTIFIED BY 'myPassword';
```

```
SET PASSWORD FOR myUser = 'newPassword';
```

```
DROP USER myUser;
```



Data Control Language (DCL)

DCL (*Data Control Language*) is a **subset** of **SQL** that is used to **control** the **access** to the **database**.

PostgreSQL — MySQL Example

GRANT SELECT, INSERT, UPDATE, DELETE
ON myTable TO myUser;

REVOKE SELECT, INSERT, UPDATE, DELETE
ON myTable FROM myUser;



Outline



Thanks!

Questions?



Repo: github.com/engandres/ud-public/courses/databases-foundations

