

DCL (**Data Control Language**)

Data Control Language (DCL) is a subset of SQL (Structured Query Language) that is used to control access to data within a database. DCL commands are primarily used to grant or revoke permissions to users or roles, allowing database administrators to manage security and user access to database objects such as tables, views, and procedures.



DCL (**Data Control Language**)

```
SELECT USER FROM DUAL:
CREATE USER SCHOOL USER IDENTIFIED BY 123;
DROP USER SCHOOL USER;
GRANT CREATE SESSION TO SCHOOL USER;
ALTER USER SCHOOL USER IDENTIFIED BY abc123;
CREATE TABLE TEST (
     id NUMBER,
     name varchar (255)
-) ;
GRANT CREATE TABLE to SCHOOL USER;
DROP USER SCHOOL USER CASCADE;
ALTER USER SCHOOL USER QUOTA UNLIMITED ON USERS;
This command is generally used by a database administrator (DBA)
to allow a user to create and store objects (like tables, etc.) \
Without sufficient quota, a user would encounter errors like ORA-01950:
no privileges on tablespace 'USERS' when trying to create or insert data
into database objects.
_*/
```



DCL (**Data Control Language**)

```
INSERT INTO SCHOOL_USER.TEST (id, name) VALUES (1,'eslam');
DELETE FROM SCHOOL_USER.TEST;
UPDATE SCHOOL_USER.TEST SET id = 1 WHERE id =1;
SELECT * FROM SCHOOL_USER.TEST;
```



DCL (**Data Control Language**)

```
--on SCHOOL USER
GRANT INSERT ON SCHOOL USER. TEST to hr;
GRANT DELETE ON SCHOOL USER.TEST to hr;
GRANT SELECT ON SCHOOL USER. TEST to hr;
GRANT UPDATE ON SCHOOL USER. TEST to hr;
GRANT ALL ON SCHOOL USER.TEST TO HR;
REVOKE INSERT ON SCHOOL USER. TEST FROM hr;
REVOKE SELECT ON SCHOOL USER. TEST FROM hr;
REVOKE UPDATE ON SCHOOL USER. TEST FROM hr;
REVOKE DELETE ON SCHOOL USER. TEST FROM hr;
REVOKE ALL ON SCHOOL USER. TEST FROM HR;
```



DCL (Data Control Language)

--on admin

REVOKE CREATE Table FROM SCHOOL USER;

REVOKE CREATE SESSION FROM SCHOOL USER;