**20-03-2025**

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**DCL Commands:**

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DCL ==> Data Control Language Commands

-> DCL commands can always use or implement by DBA (Database Administration).

-> There are two types of DCL commands:

 1) grant command

 2) revoke command

How to create the new user:

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create command

Syntax:

 create user <user-name> identified by <password>;

-> To the created user:

 to give the permissions

 or to revoke/release permissions we need "DCL commands".

1) grant:

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-> used to give or grant the resource/permissions to the new user which was created by the DBA.

Syntax:

 grant resource, connect to <user-name>;

create user karthik identified by karthik;

grant resource,connect to karthik;

2) revoke:

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-> to release the permissions of the user the DBA can use "revoke" command.

Syntax:

 revoke resource from <user-name>;

revoke resource from karthik;

**Q: How we can get users of Database?**

Ans:

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select \* from all\_users;

**Q: How we can get more information about all the users?**

select \* from dba\_users;

**Q: How we can lock the user?**

Ans:

alter user <user-name> account lock;

Ex:

alter user Karthik account lock;

**Q: How to unlock the user?**

Ans:

alter user <user-name> account unlock;

alter user karthik account unlock;

select \* from dba\_users;

**Q: How to change the user's account password?**

Ans:

alter user <user-name> identified by <new-password>;

**All commands overview:**

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DDL Commands:

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 1) create 2) alter 3) drop 4) truncate 5) rename 6) flashback 7) purge

DML commands:

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 1) insert 2) update 3) delete

DRL Commands:

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 1) select

TCL Commands:

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 1) commit 2) rollback 3) savepoint

DCL commands:

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 1) grant 2) revoke