**Day-12**

**25-03-2025**

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DDL Commands:

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1) Create

2) alter

3) truncate:

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-> truncate is allow to delete any database object.

-> to truncate the table:

syntax:

 truncate table <table-name>;

-> if the table is with some rows (records) before the truncate operation:

the truncate command can delete all the records of the table but it can maintain the structure as same.

4) drop:

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-> drop can also do the delete operation

but it can delete both the records from the table and the structure also.

Syntax:

 drop table <table-name>;

5) rename:

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-> when we want to rename the table, we can use "rename" command.

Syntax:

 rename <table-name> to <new-name>;

Ex: renaming of the table:

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rename Products to OrderedProducts;

-> Oracle database, we have "Oracle Recycle bin".

to save all the dropped tables or any other dropped database object information.

How to retrieve the data from the oracle recycle bin?

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-> Assume, I have dropped a table using the below query:

Syntax:

 drop table <table-name>;

Ex:

drop table OrderedProducts;

-> After the dropping of the table, to retrieve that dropped table, we can use the below query:

Syntax:

 select \* from recyclebin;

-> After the confirmation that the dropped table is existed in the recyclebin, we can restore it into the database.

-> using "flashback" command we can restore the dropped table.

6) flashback:

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Syntax:

 flashback table <table-name> to before drop;

Ex:

flashback table OrderedProducts to before drop;

Note:

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We cannot perform retrieve and restore operations on the truncated tables because truncate can delete the records of the table but it can maintain the structure as remains.

**Scenario:**

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**Q: if a table is dropped and another table is created same as the dropped table name. does retrieve work on the dropped table now?**

Ans:

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Yes, we can retrieve the table which was dropped after the recreate the table with the same name. But we cannot restore it back.

7) purge:

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-> When we want to delete the data/database object from the recycle bin, we can use "purge" command.

Syntax:

 purge table <table-name>;

Ex:

purge table OrderedProducts;