DROP, FLASHBACK, PURGE

Note:
In ORACLE 10g version, RECYCLEBIN feature added.
DROP, FLASHBACK and PURGE:

• it is DDL command.
• It is used to drop(delete) the table.
• When we drop the table it goes to Recyclebin.

FLASHBACK:

FLASHBACK TABLE <table_name>
TO BEFORE DROP
[RENAME TO <new_name>];

PURGE:
• it is DDL command.
• it is used to delete the table from recyclebin.

SQL> create table t1(
  2 t1 number(5));

Table created.

SQL> insert into t1 values(&t1);

```
Enter value for t1: 2
old   1: insert into t1 values(&t1)
new    1: insert into t1 values(2)

1 row created.

SQL> /
Enter value for t1: 43
old   1: insert into t1 values(&t1)
new    1: insert into t1 values(43)

1 row created.

SQL> /
Enter value for t1: 23
old   1: insert into t1 values(&t1)
new    1: insert into t1 values(23)

1 row created.

SQL> show recyclebin;
SQL> select * from t1;

       T1
----------
        2
       43
       23

SQL> drop table t1;

Table dropped.
```

```
SQL> show recyclebin;
ORIGINAL NAME    RECYCLEBIN NAME              OBJECT TYPE
DROP TIME
--------------- ----------------------------- ----------- ------------------
T1              BIN$d+gJXuCnQKCZv3v2Onr3Lg==$0 TABLE
2024-04-05:15:37:01


SQL> flashback table t1 to before drop;

Flashback complete.




SQL> desc t1
 Name                                    Null?    Type
 --------------------------------------- -------- ----------------------------
 T1                                               NUMBER(5)

SQL> drop table t1;

Table dropped.

SQL> desc t1;
ERROR:
ORA-04043: object t1 does not exist
```

```
SQL> show recyclebin;
ORIGINAL NAME    RECYCLEBIN NAME              OBJECT TYPE
DROP TIME
---------------- ----------------------------- ----------- -------------------
T1              BIN$MiJLpkcPQG6FAOrKywoKBg==$0 TABLE
2024-04-05:15:39:11
SQL> create table t1(
  2  t1 char(5));

Table created.


SQL> /
Enter value for t1: 'ar'
old   1: insert into t1 values(&t1)
new    1: insert into t1 values('ar')

1 row created.

SQL> /
Enter value for t1: 'ja'
old   1: insert into t1 values(&t1)
new    1: insert into t1 values('ja')

1 row created.

SQL> select * from t1;

T1
-----
ar
ja
```

```
SQL> drop table t1;

Table dropped.

SQL> show recyclebin;
ORIGINAL NAME    RECYCLEBIN NAME              OBJECT TYPE
DROP TIME
---------------- ----------------------------- ----------- -------------------
T1               BIN$HoPG6SDLQGCNlkoaLG09aQ==$0 TABLE
2024-04-05:15:41:45
T1               BIN$MiJLpkcPQG6FAOrKywoKBg==$0 TABLE
2024-04-05:15:39:11




SQL> flashback table t1 to before drop;

Flashback complete.

SQL> desc t1
 Name                                   Null?    Type
 -------------------------------------- -------- ---------------------------
 T1                                              CHAR(5)




SQL> show recyclebin;
```

```
ORIGINAL NAME    RECYCLEBIN NAME                OBJECT TYPE
DROP TIME
---------------- ------------------------------ ------------ ------------------
T1               BIN$MiJLpkcPQG6FAOrKywoKBg==$0 TABLE
2024-04-05:15:39:11



SQL> select table_name
  2  from user_tables;

TABLE_NAME
--------------------------------------------------------------------------------
T1

SQL> drop table t1;
Table dropped



SQL> show recyclebin;
ORIGINAL NAME    RECYCLEBIN NAME                OBJECT TYPE
DROP TIME
---------------- ------------------------------ ------------ ------------------
T1               BIN$yh058Z4eTTCUjSHI5UhFLQ==$0 TABLE
2024-04-05:15:49:07
T1               BIN$MiJLpkcPQG6FAOrKywoKBg==$0 TABLE
2024-04-05:15:39:11
```

```
SQL> flashback table "BIN$MiJLpkcPQG6FAOrKywoKBg==$0" to
before drop;

Flashback complete.

SQL> desc t1;
 Name                                   Null?    Type
 --------------------------------------- -------- ----------------------------
 T1                                               NUMBER(5)

SQL> flashback table t1 to before drop rename to t1_old;

Flashback complete.

SQL> select table_name
  2   from user_tables;

TABLE_NAME
--------------------------------------------------------------------------------
T1_OLD
T1

SQL> desc t1_old;
 Name                                   Null?    Type
 --------------------------------------- -------- ----------------------------
 T1                                               CHAR(5)
```

```
SQL> drop table t1;

Table dropped.

SQL> drop table t1_old;

Table dropped.

SQL> show recyclebin;
ORIGINAL NAME   RECYCLEBIN NAME              OBJECT TYPE
DROP TIME
---------------- ----------------------------- ----------- ------------------
T1              BIN$QMerWTcWT2mLvrdz48o1pA==$0 TABLE
2024-04-05:15:54:58
T1_OLD          BIN$rrrz+os3QI2CHMGLUn0TsA==$0 TABLE
2024-04-05:15:55:34
SQL> purge table t1;

Table purged.

SQL> show recyclebin;
ORIGINAL NAME   RECYCLEBIN NAME              OBJECT TYPE
DROP TIME
---------------- ----------------------------- ----------- ------------------
T1_OLD          BIN$rrrz+os3QI2CHMGLUn0TsA==$0 TABLE
2024-04-05:15:55:34
SQL> purge table t1_old;

Table purged.

SQL> show recyclebin;
```