Delete duplicates:

Duplicate in some of the columns:

1. Unique identifier:

Delete from table

Where id in (

Select max(id) from table group by model, brand

having count (\*) > 1);

1. Using self join:

Delete from table

Where Id in (

Select t2.id from table as t1

Join table as t2

On t1.model = t2.model and t1.brand = t2.brand

Where t2.id > t1.id );

\*\* if we use not in where have to select the vice-versa of above.

1. Window function:

Delete from table

Where id in select id from (

Select \*, row\_number() over(partition by model, brand) as rn from cars) as rowedcar

Where rn > 1;

Or

With cte as ( select \*, rown number() over(partition by model, brand) as rn from cars)

Delete from table

Where id in ( select id from cte)

And rn > 1;

1. Using min function. This deletes even multiple duplicate records.

\*\* this will keep only the unique and first record

Delete from table

Where id not in (

Select min(id) from table group by model, brand);

1. Using backup table:

Create table car\_bkup

As

Select \* from cars where 1 =2; ## this will return only structure of table

Insert into car\_bkup

Select \* from cars

Where id in (

Select min(id) from table group by model, brand);

Drop table cars; # this delete the original cars table

Alter table cars\_bkp rename to cars;

\*\* this method selects only a non-duplicate records and append to backup table. Then original table dropped and backup table renamed to original table. Don’t use this method.

1. Using backup table without dropping the original table.

Create table car\_bkup

As

Select \* from cars where 1 =2; ## this will return only structure of table

Insert into car\_bkup

Select \* from cars

Where id in (

Select min(id) from table group by model, brand);

Truncate table cars; ## this delete only the data, without affecting structure or format

Insert into cars

Select \* from cars\_bkup;

Drop table cars\_bkup;

Duplicate in all column:

1. Creating CTID: it will works in pogresqld, rowed in oracle.

Select \*, CTID from cars;

Delete from table

Where CTID in (

Select CTID(id) from table group by model, brand

having count (\*) > 1);

1. Creating a temp, unique id:

Alter table cars add column row\_num int generated always as identity;

Delete from table

Where row\_num in (

Select row\_num(id) from table group by model, brand

having count (\*) > 1);

alter table cars drop column row\_num;

1. Using backup table:

Create table cars\_bkp as

Select distinct \* from cars;

Drop table cars;

Alter table cars\_bkp rename to cars;

1. Using backup table without deleting the original table:

Create table cars\_bkp as

Select distinct \* from cars;

Truncate table cars;

Insert into cars

Select \* from cars\_bkp;

Drop table cars\_bkp;