

# SQL\_005

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Deduplicando dados

Criando, atualizando e deletando tabelas e views

Agora que temos as principais ferramentas precisamos apresentar alguns conceitos muito importante para nosso dia a dia o primeiro dele é a Tabela e a View

Tabela é algo "físico" ou seja esta gravada e não sofre alterações em seu estado

View, resumidamente, não é uma tabela de verdade, e tem apenas a sua consulta "física" seus dados e custo de acesso podem variar a todo momento.

Deduplicação de dados.

```
with cte_dedup as(
SELECT t1."date"
      ,t1."rank"
      ,t1.song
      ,t1.artist
      ,row_number() over(partition by t1.artist, t1.song order by
t1.artist,t1.song, t1."date") as dedup_song
      ,row_number() over(partition by t1.artist order by t1.artist,
t1."date") as dedup_artist
FROM PUBLIC."Billboard" AS t1 order by t1.artist , t1."date"
)
select t1."date"
      ,t1."rank"
      ,t1.artist
      ,t1.song
from cte_dedup as t1
where t1.artist like '%'
and t1.dedup_song = 1
--and t1.dedup_artist = 1
;
```

```
create table tb_first_song as(
with cte_dedup as(
SELECT t1."date"
      ,t1."rank"
      ,t1.song
      ,t1.artist
      ,row_number() over(partition by t1.artist, t1.song order by
```

```

t1.artist,t1.song, t1."date") as dedup_song
    ,row_number() over(partition by t1.artist order by t1.artist,
t1."date") as dedup_artist
FROM PUBLIC."Billboard" AS t1 order by t1.artist , t1."date"
)
select t1."date"
    ,t1."rank"
    ,t1.artist
    ,t1.song
from cte_dedup as t1
where t1.artist like '%AC/DC'
or t1.artist like '%Elvis%'
and t1.dedup_song = 1
--and t1.dedup_artist = 1
)
;

drop table tb_first_song;

select * from tb_first_song;

create view vw_song as(
select * from tb_first_song
);

insert into tb_first_song (
with cte_dedup as(
SELECT t1."date"
    ,t1."rank"
    ,t1.song
    ,t1.artist
    ,row_number() over(partition by t1.artist, t1.song order by
t1.artist,t1.song, t1."date") as dedup_song
    ,row_number() over(partition by t1.artist order by t1.artist,
t1."date") as dedup_artist
FROM PUBLIC."Billboard" AS t1 order by t1.artist , t1."date"
)
select t1."date"
    ,t1."rank"
    ,t1.artist
    ,t1.song
from cte_dedup as t1

```

```
where t1.artist like '%Elvis%'
and t1.dedup_song = 1
--and t1.dedup_artist = 1
)

select * from vw_song;

create or replace view vw_song as(
select * from tb_first_song as t1 where t1.artist like '%AC/DC'
);
```