select \* from spotify

limit 10;

--EDA Performing

select count (distinct artist) from spotify;

select distinct album\_type from spotify;

select max(duration\_min) from spotify;

select \* from spotify

where duration\_min = 0 ;

Delete from spotify

where duration\_min = 0 ;

select distinct channel from spotify;

/\* -------------------------------------------

--Data Analysis --easy catogery

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1. -- Retrive all stream from table where stream is grater then 1M--

select \* from spotify

where stream > 1000000000;

2. -- list all the album with their resspective artist--

select distinct album , artist from spotify

order by 1;

3. --get the total number of comments where the license = true--

select sum(comments) from spotify

where licensed = 'True';

4. --select all the track that belong to the album type single--

select \* from spotify

where album\_type = 'single';

5. --count the total number of tracks by each artist--

select artist,count(\*) as countOfTrack from spotify

group by artist

order by countOfTrack DESC ;

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-- Section 2 , Medium level question ---

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6. calculate the denceablitity of tracks in each album

select

album, Avg(danceability) as danceability

from spotify

group by 1

order by 2 Desc;

7. -- find the top 5 track with higher energy values---

select track, Max(energy) from spotify

group by 1

order by 2 desc

limit 5;

8. -- list all the tracks along with their views and likes where official\_video = 'true'--

select

track, views, likes, official\_video

from spotify

where official\_video = 'True';

9. -- for each album, calculate the views of all assosiate tracks--

select album, track,

sum(views) from spotify

group by 1,2

order by 3 DESC;

10. -- retrive the track name that have been streamed on spotify more then Youtube--

select \* from (select

track ,

COALESCE(SUM(case when most\_played\_on = 'Youtube' then stream end ),0) as streamed\_on\_Youtube

COALESCE(sum(case when most\_played\_on = 'spotify' then stream end ),0)as streamed\_on\_spotify

from spotify

group by 1;) as t1

where streamed\_on\_spotify > streamed\_on\_Youtube;

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Next levle (11-13) difficult level but not for me

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11. --find he all top 3 most viewed track for each artist using window function---

with Ranking\_artist as

(

select

artist,

track, sum(views),

DENSE\_RANK OVER(PARTITION BY artist order by sum(views DESC)) as Rank

group by 1,2

order by 1,3 desc)

select \* from Ranking\_artist

where Rank <=3;