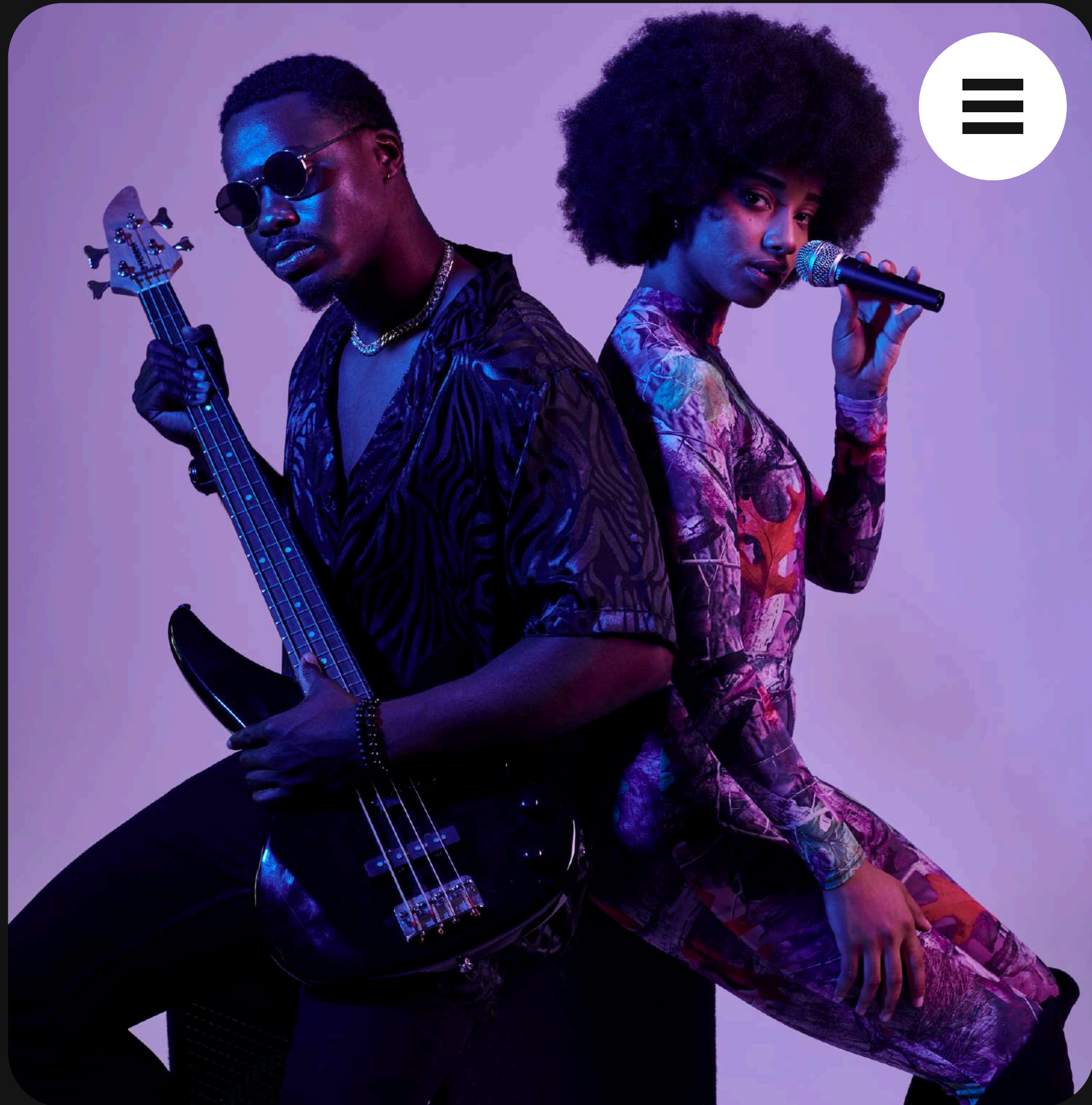
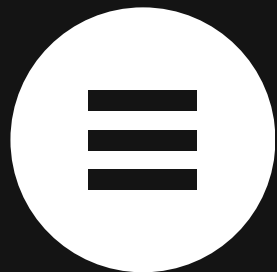


SPOTIFY SONGS ANALYSIS :SQL





Select



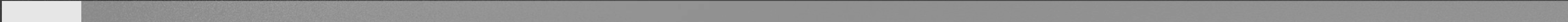
from Popular_Spotify_Songs;

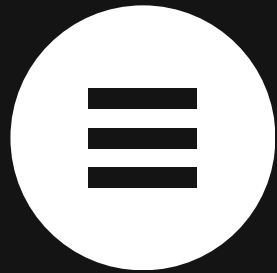
A REVIEW OF DATA

15 select * from Popular_Spotify_Songs where released_year = 2023;

	track_name	artist_name	artist_count	released_year	released_month	released_day	in_spotify_playlists	in_spotify_charts	streams	in_apple_playlists	in_apple_charts	in_deezer_playlists	in_deezer_charts	in_shazam_charts	bpm	key	mode	danceability_%	valence_%	energy_%
▶	Seven (feat. Latto) (Explicit Ver.)	Latto, Jung Kook	2	2023	7	14	553	147	141381703	43	263	45	10	826	125	B	Major	80	89	83
	LALA	Myke Towers	1	2023	3	23	1474	48	133716286	48	126	58	14	382	92	C#	Major	71	61	74
	vampire	Olivia Rodrigo	1	2023	6	30	1397	113	140003974	94	207	91	14	949	138	F	Major	51	32	53
	Cruel Summer	Taylor Swift	1	2019	8	23	7858	100	800840817	116	207	125	12	548	170	A	Major	55	58	72
	WHERE SHE GOES	Bad Bunny	1	2023	5	18	3133	50	303236322	84	133	87	15	425	144	A	Minor	65	23	80
	Sprinter	Dave, Central Cee	2	2023	6	1	2186	91	183706234	67	213	88	17	946	141	C#	Major	92	66	58
	Ella Baila Sola	Eslabon Armado, Peso Pluma	2	2023	3	16	3090	50	725980112	34	222	43	13	418	148	F	Minor	67	83	76
	Columbia	Quevedo	1	2023	7	7	714	43	58149378	25	89	30	13	194	100	F	Major	67	26	71
	fukumean	Gunna	1	2023	5	15	1096	83	95217315	60	210	48	11	953	130	C#	Minor	85	22	62
	La Bebe - Remix	Peso Pluma, Yng Lvcas	2	2023	3	17	2953	44	553634067	49	110	66	13	339	170	D	Minor	81	56	48
	un x100to	Bad Bunny, Grupo Frontera	2	2023	4	17	2876	40	505671438	41	205	54	12	251	83	F#	Minor	57	56	72
	Super Shy	NewJeans	1	2023	7	7	422	55	58255150	37	202	21	5	168	150	F	Minor	78	52	82
	Kill Bill	SZA	1	2022	12	8	8109	77	1163093654	183	162	161	12	187	89	G#	Major	64	43	73
	Cupid - Twin Ver.	Fifty Fifty	1	2023	2	24	2942	77	496795686	91	212	78	6	0	120	B	Minor	78	76	59

Popular_Spotify_Songs 95 x

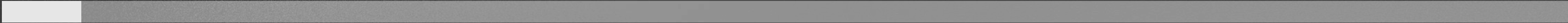




COLUMNS INFO

```
SHOW COLUMNS FROM Popular_Spotify_Songs;
```

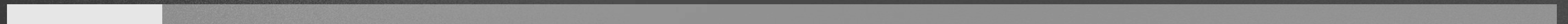
Result Grid							Filter Rows:	Export:	Wrap Cell Co
	Field	Type	Null	Key	Default	Extra			
▶	track_name	text	YES		NULL				
	artist_name	varchar(255)	YES		NULL				
	artist_count	int	YES		NULL				
	released_year	int	YES		NULL				
	released_month	int	YES		NULL				
	released_day	int	YES		NULL				
	in_spotify_playlists	int	YES		NULL				
	in_spotify_charts	int	YES		NULL				
	streams	int	YES		NULL				
	in_apple_playlists	int	YES		NULL				
	in_apple_charts	int	YES		NULL				
	in_deezer_playlists	int	YES		NULL				
	in_deezer_charts	int	YES		NULL				
	in_shazam_charts	int	YES		NULL				
	bpm	int	YES		NULL				
	key	text	YES		NULL				
	mode	text	YES		NULL				
	danceability_%	int	YES		NULL				
	valence_%	int	YES		NULL				
	energy_%	int	YES		NULL				
	acousticness_%	int	YES		NULL				
	instrumentalness_%	int	YES		NULL				
	liveness_%	int	YES		NULL				
	speechiness_%	int	YES		NULL				



(1) Count total songs in the dataset.

```
select  
    count(track_name) as total_songs  
from Popular_Spotify_Songs;
```

Result Grid	
	total_songs
▶	826



(2) List all songs released in 2023.

```
select
    track_name,
    released_year
from Popular_Spotify_Songs
where released_year = 2023;
```



The screenshot shows a database interface with a 'Result Grid' tab. It displays a list of songs released in 2023. The table has two columns: 'track_name' and 'released_year'. The first row is highlighted with a blue background.

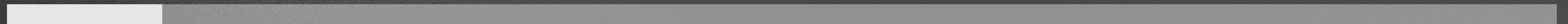
track_name	released_year
Seven (feat. Latto) (Explicit Ver.)	2023
LALA	2023
vampire	2023
WHERE SHE GOES	2023
Sprinter	2023
Ella Baila Sola	2023
Columbia	2023
fukumean	2023
La Bebe - Remix	2023
un x100to	2023
Super Shy	2023
Cupid - Twin Ver.	2023
Classy 101	2023
Like Crazy	2023
LADY GAGA	2023
I Can See You (Taylor's Version) ...	2023



(3) Find the song with the highest number of Spotify streams.

```
Select
    track_name,
    streams
from Popular_Spotify_Songs
order by streams desc limit 1;
```

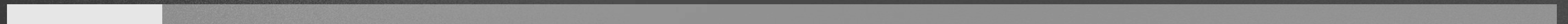
Result Grid			Filter Rows:
	track_name	streams	
▶	Circles	2132335812	



(4) Find the top 10 most energetic songs.

```
select
  track_name,
  `energy_%`
from Popular_spotify_songs
order by `energy_%` desc limit 10;
```

	track_name	energy_%
▶	I'm Good (Blue)	97
	Murder In My Mind	97
	Tiğ Ali	96
	That That (prod. & feat. SUGA of BTS)	96
	Bombonzinho - Ao Vivo	95
	Merry Christmas	94
	Freaks	94
	Hype Boy	94
	ýýýýýýýýýýýýýý	94
	KICK BACK	94



(5) Count how many songs are in Major mode vs Minor mode.

```
select
  mode,
  count(*) as total_songs
from Popular_Spotify_songs
group by mode;
```

Result Grid			Filter Rows
	mode	total_songs	
▶	Major	471	
	Minor	355	



(6) Find the average BPM of all songs.

```
select  
    avg(bpm) as avg_bpm  
from Popular_Spotify_Songs;
```

Result Grid	
	avg_bpm
▶	122.9903



(7) List songs with danceability_% above 80.

```
select
  track_name,
  `danceability_%`
from Popular_Spotify_Songs
where `danceability_%` > 80;
```



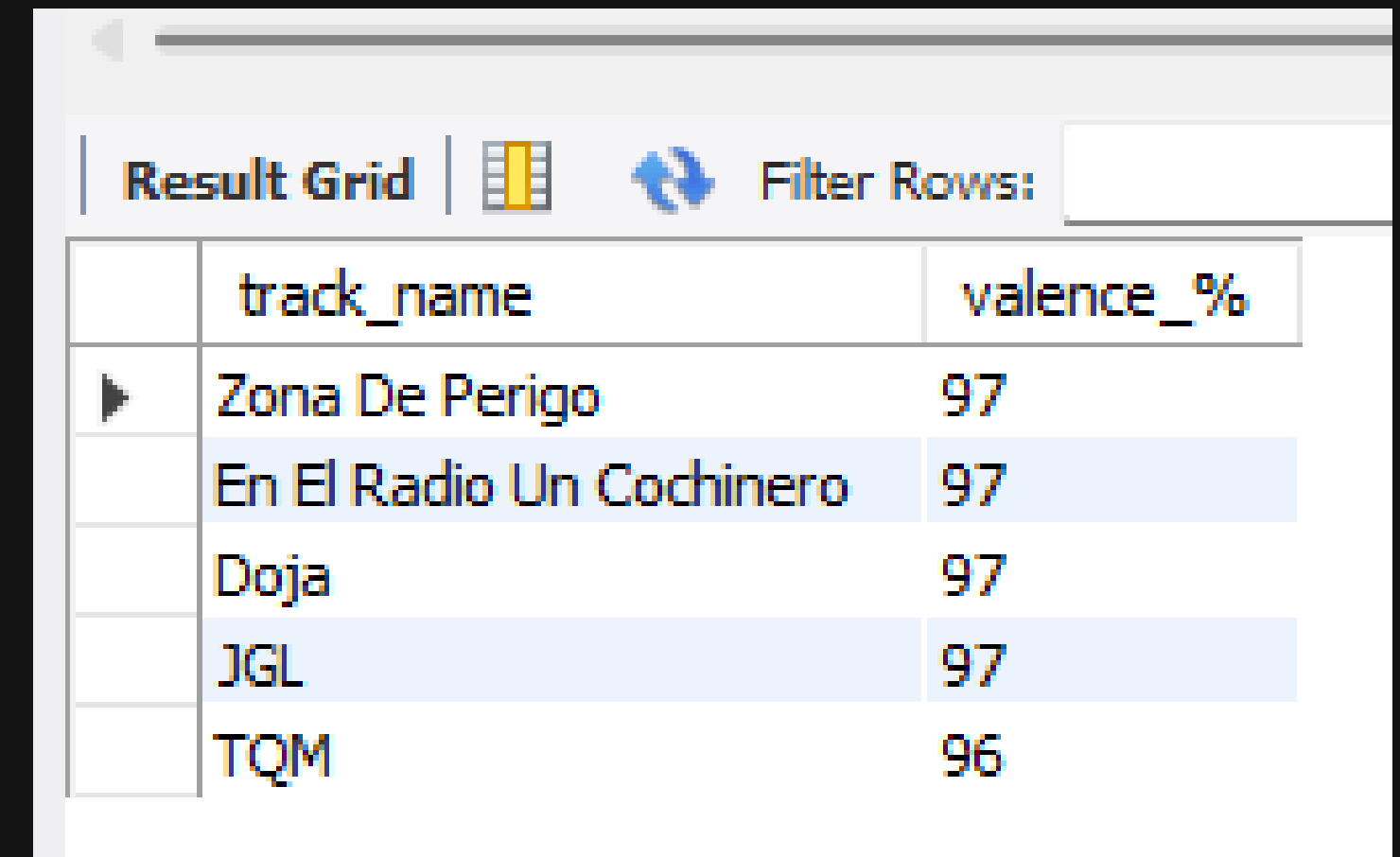
The screenshot shows a database interface with a 'Result Grid' tab. It displays a list of songs and their danceability percentages, filtered to show only those above 80. The table has two columns: 'track_name' and 'danceability_%'. The songs listed are: Sprinter (92), fukumean (85), La Bebe - Remix (81), Classy 101 (86), Peso Pluma: Bzrp Music Sessions, Vol. 55 (85), MOJABI GHOST (81), Los del Espacio (81), AMARGURA (92), La Bachata (84), S91 (86), Tiğ 1/2 (86), Left and Right (Feat. Jung Kook of BTS) (88), Hey Mor (90), Me Porto Bonito (91), All My Life (feat. J. Cole) (83), and New Jeans (81). The interface also includes a 'Filter Rows' field, an 'Export' button, and a 'Wrap' button.

track_name	danceability_%
Sprinter	92
fukumean	85
La Bebe - Remix	81
Classy 101	86
Peso Pluma: Bzrp Music Sessions, Vol. 55	85
MOJABI GHOST	81
Los del Espacio	81
AMARGURA	92
La Bachata	84
S91	86
Tiğ 1/2	86
Left and Right (Feat. Jung Kook of BTS)	88
Hey Mor	90
Me Porto Bonito	91
All My Life (feat. J. Cole)	83
New Jeans	81



(8) Show the top 5 songs with the highest valence_%.

```
Select
  track_name,
  `valence_%`
from Popular_Spotify_Songs
order by `valence_%` desc limit 5;
```



The screenshot shows a database interface with a 'Result Grid' tab. It displays the results of the SQL query, showing the top 5 songs by valence percentage. The table has two columns: 'track_name' and 'valence_%'. The rows are: Zona De Perigo (97), En El Radio Un Cochinerero (97), Doja (97), JGL (97), and TQM (96). The first four rows are highlighted in blue.

	track_name	valence_%
▶	Zona De Perigo	97
	En El Radio Un Cochinerero	97
	Doja	97
	JGL	97
	TQM	96



(9) Identify the artist with the most songs in the dataset.

```
select
  artist_name,
  count(*) total_songs
from Popular_Spotify_Songs
group by artist_name
order by total_songs desc;
```

Result Grid			Filter Rows:
	artist_name	total_songs	
▶	Taylor Swift	33	
	Bad Bunny	19	
	SZA	19	
	The Weeknd	18	
	Harry Styles	15	
	Morgan Wallen	11	
	Kendrick Lamar	11	
	Feid	8	
	Drake, 21 Savage	8	
	BTS	7	
	Labrinth	7	
	NewJeans	6	
	Olivia Rodrigo	5	
	Quevedo	4	
	Karol G	4	
	Drake	4	
	



(10) Find all songs released in the month of July.

```
select
    track_name,
    released_month
from Popular_Spotify_Songs
where released_month = 7;
```



The screenshot shows a database interface with a 'Result Grid' tab. It displays a list of songs and their release months, filtered for July. The interface includes a 'Filter Rows' search bar, an 'Export' button, and a 'Wrap' checkbox. The table has two columns: 'track_name' and 'released_month'. The songs listed are: Seven (feat. Latto) (Explicit Ver.), Columbia, Super Shy, I Can See You (Taylor's Version) (From the Album Midnights), Rush, See You Again, S91, cardigan, Overdrive, Enchanted (Taylor's Version), golden hour, Quevedo: Bzrp Music Sessions, Vol. 52, Here With Me, Back To December (Taylor's Version), New Jeans, and Mine (Taylor's Version). The 'released_month' column shows the number 7 for all songs.

track_name	released_month
Seven (feat. Latto) (Explicit Ver.)	7
Columbia	7
Super Shy	7
I Can See You (Taylor's Version) (From the Album Midnights)	7
Rush	7
See You Again	7
S91	7
cardigan	7
Overdrive	7
Enchanted (Taylor's Version)	7
golden hour	7
Quevedo: Bzrp Music Sessions, Vol. 52	7
Here With Me	7
Back To December (Taylor's Version)	7
New Jeans	7
Mine (Taylor's Version)	7



(11) List songs with more than 500 million streams.

```
select
    track_name,
    streams
from Popular_Spotify_Songs
where streams > 500000000;
```

Result Grid | Filter Rows:

	track_name	streams
▶	Cruel Summer	800840817
	Ella Baila Sola	725980112
	La Bebe - Remix	553634067
	un x100to	505671438
	Kill Bill	1163093654
	I Wanna Be Yours	1297026226
	Calm Down (with Selena Gomez)	899183384
	Creepin'	843957510
	Anti-Hero	999748277
	TQG	618990393
	Blank Space	1355959075
	Style	786181836
	I'm Good (Blue)	1109433169
	See You Again	1047101291
	Angels Like You	570515054
	I Ain't Worried	1085685420

Popular_Spotify_Songs 60 x



(12) Find the top 5 songs with highest acousticness_%.

```
select
  track_name,
  `acousticness_%`
from Popular_Spotify_Songs
order by `acousticness_%` desc limit 5;
```

Result Grid			Filter Rows:
	track_name	acousticness_%	
▶	The Night We Met	97	
	Sweet Nothing	97	
	LA FAMA (with The Weeknd)	95	
	When I Was Your Man	94	
	Boyfriends	94	



(13) Show songs ranked highest on Shazam charts.

```
Select
    track_name,
    in_shazam_charts
from Popular_Spotify_Songs
order by in_shazam_charts desc;
```

Result Grid			Filter Rows:	Export:
	track_name	in_shazam_charts		
▶	fukumean	953		
	vampire	949		
	Sprinter	946		
	Tattoo	925		
	Seven (feat. Latto) (Explicit Ver.)	826		
	Baby Don't Hurt Me	810		
	Bloody Mary	734		
	I'm Good (Blue)	727		
	Eyes Closed	675		
	Miracle (with Ellie Goulding)	638		
	Moonlight	615		
	Cruel Summer	548		
	People	529		
	Danza Kuduro	503		
	Chemical	486		
	All My Life (feat. J. Cole)	478		
		



(14) Calculate the average streams for songs released in 2023.

```
Select
    released_year,
    avg(streams) as avg_streams
from Popular_Spotify_Songs
where released_year = 2023;
```

Result Grid			Filter Rows:
	released_year	avg_streams	
▶	2023	140547000.0176	



(15) Group songs by released_year and count how many songs were released each year.

```
Select
    released_year,
    count(*) as total_songs
from Popular_Spotify_Songs
group by released_year;
```

	released_year	total_songs
▶	2023	170
	2019	26
	2022	398
	2013	5
	2014	7
	2017	13
	2020	30
	2016	11
	2012	5
	2021	102
	2011	5
	2007	1
	2010	5
	2004	2
	1983	1
	2015	7
	...	-



(16) Find songs that appear in all 4 platforms.

```
select
  track_name,
  in_spotify_playlists,
  in_apple_playlists,
  in_deezer_playlists,
  in_shazam_charts
from Popular_Spotify_Songs
where in_spotify_playlists>0 and
      in_apple_playlists>0 and
      in_deezer_playlists>0 and
      in_shazam_charts>0;
```

Result Grid					Filter Rows:	Export:	Wrap Cell Content:
	track_name	in_spotify_playlists	in_apple_playlists	in_deezer_playlists	in_shazam_charts		
▶	Seven (feat. Latto) (Explicit Ver.)	553	43	45	826		
	LALA	1474	48	58	382		
	vampire	1397	94	91	949		
	Cruel Summer	7858	116	125	548		
	WHERE SHE GOES	3133	84	87	425		
	Sprinter	2186	67	88	946		
	Ella Baila Sola	3090	34	43	418		
	Columbia	714	25	30	194		
	fukumean	1096	60	48	953		
	La Bebe - Remix	2953	49	66	339		
	un x100to	2876	41	54	251		
	Super Shy	422	37	21	168		
	Kill Bill	8109	183	161	187		

Popular_Spotify_Songs 69 x



(17) Find the top 3 songs with the highest speechiness_%.

```
select
  track_name,
  `speechiness_%`
from Popular_Spotify_Songs
order by `speechiness_%` desc limit 3;
```

Result Grid			Filter Rows:
	track_name	speechiness_%	
▶	Cardi B & Megan Thee Stallion - Savage	64	
	On BS	59	
	Area Codes	49	



(18) Find the key with the highest number of songs.

```
select
    `key`,
    count(*) as total_songs
from Popular_Spotify_Songs
group by `key`;
```

Result Grid			Filter R
	key	total_songs	
▶	B	71	
	C#	102	
	F	81	
	A	66	
	D	68	
	F#	63	
	G#	79	
	G	83	
		81	
	E	53	
	A#	52	
	D#	27	



(19) Find songs where liveness_% is above 30.

```
select
  track_name,
  `liveness_%`
from Popular_Spotify_Songs
where `liveness_%` > 30;
```

	track_name	liveness_%
▶	vampire	31
	Cupid - Twin Ver.	34
	Like Crazy	36
	LADY GAGA	42
	MOJABI GHOST	56
	Dance The Night (From Barbie The Album)	33
	I'm Good (Blue)	35
	Die For You - Remix	44
	Karma	48
	Overdrive	35
	BABY HELLO	43
	Novidade na 1ª 1/2h	35
	Full track ...	--



(20) Find songs whose streams are above the average stream count.

```
select
    track_name,
    artist_name,
    streams
from Popular_Spotify_Songs
having streams > (
    select
        avg(streams)
    from Popular_Spotify_Songs
);
```



The screenshot shows a database interface with a 'Result Grid' tab. It displays a table of songs and their stream counts, filtered to show only those above the average. The table has four columns: track_name, artist_name, and streams. The first row is highlighted with a play button icon. Below the table, there are tabs for 'Popular Spotify Songs 83' and 'Filter Rows:'. The 'Filter Rows' field is empty. The 'Export' button is visible, along with a 'Wrap Cell Content' option.

	track_name	artist_name	streams
▶	Cruel Summer	Taylor Swift	800840817
	Ella Baila Sola	Eslabon Armado, Peso Pluma	725980112
	La Bebe - Remix	Peso Pluma, Yng Lvcas	553634067
	un x100to	Bad Bunny, Grupo Frontera	505671438
	Kill Bill	SZA	1163093654
	Cupid - Twin Ver.	Fifty Fifty	496795686
	I Wanna Be Yours	Arctic Monkeys	1297026226
	Calm Down (with Selena Gomez)	Rīċġīċġīma, Selena G	899183384
	Last Night	Morgan Wallen	429829812
	Creepin'	The Weeknd, 21 Savage, Metro Boomin	843957510
	Anti-Hero	Taylor Swift	999748277
	TQG	Karol G, Shakira	618990393



(21). Find songs whose streams are above the average stream count.

```
with new as(  
  Select  
    track_name,  
    artist_name,  
    streams,  
    row_number() over(partition by artist_name order by streams desc) as rn  
  from Popular_Spotify_Songs  
)  
select  
  track_name,  
  artist_name,  
  streams,  
  rn  
from new  
where rn<=3  
order by 2,3 desc;
```

track_name	artist_name	streams	rn
Nxde	(G)I-DLE	170709584	1
Queencard	(G)I-DLE	96273746	2
thought i was playing	21 Savage, Gunna	60680939	1
Am I Dreaming (Metro Boomin & A\$AP Rocky, R...	A\$AP Rocky, Metro Boomin, Roisee	94186466	1
Obsessed	Abhijay Sharma, Riar Saab	71007139	1
Easy On Me	Adele	1406111294	1
Oh My God	Adele	466214729	2
Dream On	Aerosmith	838586769	1
Haegeum	Agust D	118810253	1
Mon Amour - Remix	Aitana, zzoilo	578207856	1
Me Arrepentiç	Ak4:20, Cris Mj, Pailita	118381354	1
Let Me Down Slowly	Alec Benjamin	1374581173	1
Problemiç½	Alvaro Diaz, Rauw Alejandro	209768491	1
Nosso Quadro	Ana Castela, AgroPlay	233801632	1
It's the Most Wonderful Time of the Year	Andy Williams	663832097	1
Tak Segampang Itu	Anggi Marito	179659294	1
Envolver	Anitta	546191065	1
Isi Lata	Anitta, Tini, Bad Bunny	121180256	1



THANK'S FOR VISITING

