```
In [2]:  %%sql
         CREATE DATABASE IF NOT EXISTS SPOTIFY;
```

* mysql+mysqlconnector://root:***@localhost/test
1 rows affected.

Out[2]: []

```
In [3]:  %%sql
         USE SPOTIFY;
```

* mysql+mysqlconnector://root:***@localhost/test
0 rows affected.

Out[3]: []

```
In [4]:  %%sql
         CREATE TABLE IF NOT EXISTS artists (
             artist_id VARCHAR(50) PRIMARY KEY,
             artist_name VARCHAR(255) NOT NULL,
             popularity INT,
             followers INT,
             genres VARCHAR(50)
         );
```

* mysql+mysqlconnector://root:***@localhost/test
0 rows affected.

Out[4]: []

```
In [5]:  %%sql
         CREATE TABLE IF NOT EXISTS albums (
             album_id VARCHAR(50) PRIMARY KEY,
             album_name VARCHAR(255) NOT NULL,
             artist_id VARCHAR(50),
             release_date DATE,
             total_tracks INT,
             album_type VARCHAR(50),
             FOREIGN KEY (artist_id) REFERENCES artists(artist_id) ON DELETE CASCADE
         );
```

* mysql+mysqlconnector://root:***@localhost/test
0 rows affected.

Out[5]: []

```
In [6]:  %%sql
         CREATE TABLE IF NOT EXISTS tracks (
             track_id VARCHAR(50) PRIMARY KEY,
             track_name VARCHAR(255) NOT NULL,
             artist_id VARCHAR(50),
             album_id VARCHAR(50),
             duration_sec DOUBLE,
             explicit BOOLEAN,
             popularity INT,
             FOREIGN KEY (artist_id) REFERENCES artists(artist_id) ON DELETE CASCADE,
             FOREIGN KEY (album_id) REFERENCES albums(album_id) ON DELETE CASCADE
         );
```

* mysql+mysqlconnector://root:***@localhost/test
0 rows affected.

Out[6]: []

```
In [ ]:
```

```
In [7]:  %%sql
         SELECT * FROM artists;
```

* mysql+mysqlconnector://root:***@localhost/test
7 rows affected.

Out[7]:

artist_id	artist_name	popularity	followers	genres
29aw5YCdIw2FEXYyAJZI8l	Harris Jayaraj	76	10803813	tamil pop, kollywood, tamil dance
3eVa5w3URK5duf6eyVDbu9	ROSÉ	81	13831488	k-pop
4AK6F7OLvEQ5QYCBNiQWHq	One Direction	85	40527276	
64KEffDW9EtZ1y2vBYgq8T	Marshmello	82	34597914	edm
69GGBxA162lTqCwzJG5jLp	The Chainsmokers	82	21502646	
6VuMaDnrHyPL1p4EHjYLi7	Charlie Puth	82	25619568	soft pop, pop
7z5WFjZAIYejWy0NI5lv4T	Dan + Shay	73	3214958	country

```
In [8]:  %%sql
         SELECT * FROM albums;
```

* mysql+mysqlconnector://root:***@localhost/test
10 rows affected.

album_id	album_name	artist_id	release_date	total_tracks	album_type
0mZIUXje90JtHxPNzWsJNR	Voicenotes	6VuMaDnrHyPL1p4EHjYLi7	2018-05-11	13	album
2IYQwwgxgOIn7t3iF6ufFD	APT.	3eVa5w3URK5duf6eyVDbu9	2024-10-18	1	single
2u4Yp2ADTKYPwFSBFL4ffa	Happier	64KEffDW9EtZ1y2vBYgq8T	2018-08-17	1	single
4gCNyS7pidfK3rKWhB3JOY	FOUR (Deluxe)	4AK6F7OLvEQ5QYCBNiQWHq	2014-11-17	16	album
4JPguzRps3kuWDD5GS6oXr	Memories...Do Not Open	69GGBxA162lTqCwzJG5jLp	2017-04-07	12	album
4z2eVLzV0UxLc2O4VZMIjV	Glad You Exist	7z5WFjZAIYejWy0NI5lv4T	2021-02-05	1	single
5J4SS8wTmXdyIEVYjmHzpZ	Nine Track Mind (Special Edition)	6VuMaDnrHyPL1p4EHjYLi7	2015-11-05	20	album
5Jk4Eg7pxYhDrWJCVVzmMt	CHARLIE	6VuMaDnrHyPL1p4EHjYLi7	2022-10-06	12	album
66JuK41D3LpkbX3HCTGcQk	Leave Before You Love Me	64KEffDW9EtZ1y2vBYgq8T	2021-05-21	1	single
69MQlshE2Cveetu5T2b2JT	Oru Manam (From "Dhruva Natchathiram")	29aw5YCdlw2FEXYyAJZI8l	2020-10-09	1	single

```sql
%%sql
SELECT * FROM tracks;
```

* mysql+mysqlconnector://root:***@localhost/test
10 rows affected.

track_id	track_name	artist_id	album_id	duration_sec	explicit
472vlK1ldetTxRxG3ovaiY	Glad You Exist	7z5WFjZAIYejWy0NI5lv4T	4z2eVLzV0UxLc2O4VZMIjV	2.4088833333333333	0
4qu63nuBpdn0qHUHuObEj1	Leave Before You Love Me (with Jonas Brothers)	64KEffDW9EtZ1y2vBYgq8T	66JuK41D3LpkbX3HCTGcQk	2.58305	0
54PbBpquVfhfrwRwvjSXbl	We Don't Talk Anymore (feat. Selena Gomez)	6VuMaDnrHyPL1p4EHjYLi7	5J4SS8wTmXdyIEVYjmHzpZ	3.628433333333333	0
55mEN7iiqTNzWfYjF8QbQn	Oru Manam (From "Dhruva Natchathiram")	29aw5YCdlw2FEXYyAJZI8l	69MQlshE2Cveetu5T2b2JT	5.6709	0
5cF0dROlMOK5uNZtivgu50	Attention	6VuMaDnrHyPL1p4EHjYLi7	0mZIUXje90JtHxPNzWsJNR	3.4797666666666665	0
5O2P9iiztwhomNh8xkR9lJ	Night Changes	4AK6F7OLvEQ5QYCBNiQWHq	4gCNyS7pidfK3rKWhB3JOY	3.7766166666666665	0
5Odq8ohlgIbQKMZivbWkEo	Left and Right (Feat. Jung Kook of BTS)	6VuMaDnrHyPL1p4EHjYLi7	5Jk4Eg7pxYhDrWJCVVzmMt	2.5747666666666666	0
5vNRhkKd0yEAg8suGBpjeY	APT.	3eVa5w3URK5duf6eyVDbu9	2IYQwwgxgOIn7t3iF6ufFD	2.83195	0
6RUKPb4LETWmmr3iAEQktW	Something Just Like This	69GGBxA162lTqCwzJG5jLp	4JPguzRps3kuWDD5GS6oXr	4.1193333333333335	0
7BqHUALzNBTanL6OvsqmC1	Happier	64KEffDW9EtZ1y2vBYgq8T	2u4Yp2ADTKYPwFSBFL4ffa	3.571483333333333	0