**SQL**

**Database Schema: Tables**

*Kaggle:* [*https://www.kaggle.com/datasets/nadintamer/top-spotify-tracks-of-2018*](https://www.kaggle.com/datasets/nadintamer/top-spotify-tracks-of-2018)

A white text on a white background

Description automatically generated

**Table: songs**

A white sheet with numbers and letters

Description automatically generated

**Table: artists**

A list of names on a white background

Description automatically generated

1. **SQL query to list the names of all songs in the database.**
   * *Query should output a table with a single column for the name of each song.*
     1. SELECT name FROM songs;
2. **SQL query to list the names of all songs in increasing order of tempo.**
   * *Query should output a table with a single column for the name of each song.*
     1. SELECT name FROM songs ORDER BY tempo;
3. **SQL query to list the names of the top 5 longest songs, in descending order of length.**
   * *Query should output a table with a single column for the name of each song.*
     1. SELECT name FROM songs ORDER BY duration\_ms DESC LIMIT 5;
4. **SQL query that lists names of any songs that have danceability, energy, and valence greater than 0.75.**
   * *Query should output a table with a single column for the name of each song.*
     1. SELECT name FROM songs WHERE danceability > 0.75 AND energy > 0.75 AND valence > 0.75;
5. **SQL query that returns the average energy of all the songs.**
   * *Query should output a table with a single column and a single row containing the avg energy.*
     1. SELECT AVG(energy) FROM songs;
6. **SQL query that lists the names of songs that are by Post Malone.**
   * *Query should output a table with a single column for the name of each song.*
   * *You should not make any assumptions about what Post Malone’s artist\_id is.*
     1. SELECT name FROM songs WHERE artist\_id = (SELECT id FROM artists WHERE name = 'Post Malone');
7. **SQL query that returns the average energy of songs that are by Drake.**
   * *Query should output a table with a single column and single row containing the average energy.*
   * *You should not make any assumptions about what Drake’s artist\_id is.*
     1. SELECT AVG(energy) FROM songs WHERE artist\_id = (SELECT id FROM artists WHERE name = 'Drake');
8. **SQL query that lists the names of the songs that feature other artists.**
   * *Songs that feature other artists will include “feat.” in the name of the song.*
   * *Your query should output a table with a single column for the name of each song.*
     1. SELECT name FROM songs WHERE name LIKE '%feat.%';