Lines in red are complex queries.

1. This query shows you which artist produced which album in the database?

Table

Description automatically generated

1. In this query, you want to know out of all the records in the album, find albums that start with the letter R and it will give you the records starting with r.

Graphical user interface, text, application

Description automatically generated

1. Let’s say you want to know the average number of songs in each album in the database. You do this query and it will give you the query shown below.

Graphical user interface, text, application

Description automatically generated

1. You want to know out of all the songs, which songs are classified as Classic Rock. You first join both the song name with the genre title and then search for classic rock and it will give the results shown below.

Graphical user interface, text, application

Description automatically generated

1. In this query, you want to know what genre of music each song is? You first join the song name with the artist that sang it, then join the genre title with the song name and then the results are shown.

Graphical user interface

Description automatically generated

1. As an admin, you want to know which username has a playlist. So you want to join the playlist title with the person that has it in their record on the database using a join function.

Graphical user interface, text, application

Description automatically generated

1. In the person table, as an admin, you want to know whose username starts with a c. You select the person table and use the where function to find whose username starts with a c.

Graphical user interface, text, application, email

Description automatically generated

1. This query gives you the sum of all songs combined in the 20 albums being presented in the database.

Graphical user interface, text, application

Description automatically generated

1. This query will show a playlist that a person owns in the database and gives you the song and artist that is in the playlist. By using the join function, you can get the username of a person, the playlist that username has, the song that is in the playlist, and the artist that sang that song.

Graphical user interface, text, email

Description automatically generated

1. Lets say you want to put the song id in order instead of playlist\_num. You use the order by function to sort the table by song id.

Table

Description automatically generated

1. Let’s say you want to know which songs in the playlist have a genre of rock and want to know the song and artist. You use the join functions to get the artist’s name and genre title from their appropriate tables and find the songs that are classified as rock using the where function.

Graphical user interface, text, application

Description automatically generated

1. You want to the order of each album that was released by year. You select the album table and then use order by function to order it by release year.

Table

Description automatically generated with medium confidence

1. You want to know the average year that all the albums were being released by. You use the avg function to average up the release years in the database.

Graphical user interface, text, application

Description automatically generated

1. You want to know all the albums who have between 5 to 10 songs in their album. You use the between function to classify the number of songs as a range from 5 to 10.

Graphical user interface

Description automatically generated

1. You want to know the music topic of a playlist and the song that is being presented in the playlist. You use the join function to join playlist, music topic, and song together and then set a condition to a specific music topic like funky for example shown below.

Graphical user interface, text, application, email

Description automatically generated

1. You want to order the person table by their last name instead of username. You select the person table and use the order by function to order the table by lname.

Graphical user interface

Description automatically generated

1. Out of all albums in the database, you want to know all albums who have between 10 to 15 songs and that was released after 1990. Since you are asking for 2 classifications, you use the where function, the between function, and the and function because there are 2 specific conditions are needed to be met to make this query successful.

Graphical user interface, table

Description automatically generated

1. You want to know which playlist has the topic of EDM and want to know the songs and artists in the playlist. You use the join function to get the music topic name, song name and artist name from their appropriate tables and then use the where function to state you want the topic to be EDM.

Graphical user interface, text, application, email

Description automatically generated

1. Instead of ordering the artist table by artist id, you want to order it by the artist name. You select the person table and order it by artist\_name.

Table

Description automatically generated

1. You want to find all the playlists that start with the letter s. You select the playlist table and use where function to classify all the titles that start with S.

Graphical user interface, text, application

Description automatically generated