Total 10 descriptive queries: min 2 should be subqueries (#4, 5), 2 should be queries on joins (#1, 4, 5), and 2 should be aggregate queries (#1, 3, 4, 5)

# 1. Average song duration for each individual album

```
SELECT A.album_name, AVG(S.duration) AS avg_song_duration FROM album A

INNER JOIN album_has A_H ON A.album_id = A_H.album_id INNER JOIN song S ON A_H.song_id = S.song_id GROUP BY A.album name;
```

### 2. Album with the most recent release date

```
SELECT album_name, release_date FROM album ORDER BY release date DESC LIMIT 1;
```

### 3. Genre with the greatest number of songs

```
SELECT G.genre_name, COUNT(B.song_id) AS num_songs
FROM genre G
INNER JOIN song_belongs_to B ON G.genre_id = B.genre_id
GROUP BY G.genre_name
ORDER BY num songs DESC LIMIT 1;
```

# 4. Most popular song for each artist (in the most playlists)

### 5. Most popular artist (in the most playlists)

### 6. Artist with the most songs

### 7. Song with the most recent release date

SELECT title, release\_date FROM song ORDER BY release\_date DESC LIMIT 1;

### 8. Most common plan among users

```
SELECT P.plan_name, COUNT(user_id) AS num_users
    FROM [user] U
    JOIN [plan] P ON U.plan_id = P.plan_id
    GROUP BY P.plan_name
    ORDER BY num_usersuser_count
    LIMIT 1;
```

# 9. Most popular song overall (in the most playlists)

### 10. User with the most playlists

```
SELECT user_id, COUNT(playlist_id) AS total_playlists
FROM playlist
GROUP BY user_id
ORDER BY total_playlists DESC
LIMIT 1
) AS temp ON user.user_id = temp.user_id;
```