

מסמך שאילתה SQL

1.

```
SELECT count(*) as album_count FROM albums where  
albumRecordingBegining > second_date and albumRecordingEnd <  
second_date;
```

2.

```
SELECT count(*) as num_of_songs FROM albums  
inner join musician_albums  
on musician_albums.albumId = albums.albumId  
inner join musicians  
on musicians.musicianId = musician_albums.musicianId"  
inner join album_songs  
on album_songs.albumId = albums.albumId  
where musicianName = musician_name and albumRecordingBegining >  
first_date and albumRecordingEnd < second_date;
```

3.

```
Select COUNT(*) as count  
FROM albums  
INNER JOIN musician_albums  
ON albums.albumId = musician_albums.albumId  
INNER JOIN musicians  
ON musicians.musicianId = musician_albums.musicianId  
WHERE(Select musicianId from musicians WHERE  
musicians.musicianName = musician_name) = musicians.musicianId and  
albumRecordingEnd > first_date' and albumRecordingEnd < second_date;
```

4.

```
select instruments.instrumentName from musical_numbers inner join  
musical_numbers_instruments on musical_numbers.musicalNumberId =  
musical_numbers_instruments.musicalNumberId  
inner join instruments on instruments.instrumentId =  
musical_numbers_instruments.instruemntId group by  
instruments.instrumentId limit 1;
```

5.

```
select instrumentName from instruments
```

```
inner join albums_instruments on instruments.instrumentId =  
albums_instruments.instrumentId
```

```
"where albums_instruments.albumId = (select albums.albumId from albums  
where albums.albumName = album_name);
```

6.

```
Select producerName, max(reps) from  
)Select producerName, count(albumId) as reps  
FROM producers
```

```
INNER JOIN producer_albums  
ON producer_albums.producerId = producers.producerId  
group by producer_albums.producerId ) as temp_table;
```

7.

```
select instruments.instrumentMaker from instruments  
where instruments.instrumentName = (select instruments.instrumentName  
from musical_numbers  
inner join musical_numbers_instruments on  
musical_numbers.musicalNumberId =  
musical_numbers_instruments.musicalNumberId  
inner join instruments on instruments.instrumentId =  
musical_numbers_instruments.instruemntId  
group by instruments.instrumentId  
limit 1;(
```

8.

```
Select count(*) as count1 from musicians
```

9.

```
select musicianName, max(participants) from  
)Select musicians.musicianName,albumId,count(*) as participants from  
musicians
```

```
INNER JOIN musician_albums  
ON musicians.musicianId = musician_albums.musicianId  
group by albumId) as tablu;
```

10.

```
select songGenre, max(rep) as rep from (Select*, count(*) as rep from songs  
  
group by songGenre) as table;
```

11.

```
SELECT*, count(*) as songs FROM songs  
inner join recorders
```

```
on songs.recorderId = recorders.recorderId
```

```
inner join album_songs
```

```
on album_songs.songId = songs.songId
```

```
inner join albums
```

```
on albums.albumId = album_songs.albumId
```

```
where albumRecordingBeginning > first_date and albumRecordingEnd <  
second_date  
group by recorderName
```

```
order by songs DESC
```

```
limit 1
```

12.

```
SELECT * FROM albums order by albumRecordingEnd ASC;
```

13.

```
Select*, count(*) as rep from album_songs  
inner join songs  
on album_songs.songId = songs.songId  
group by songName  
having rep > 1;
```

14.

```
SELECT *, count(*) as number_of_tracks FROM recorders
inner join songs
on recorders.recorderId = songs.recorderId
inner join album_songs
on album_songs.songId = songs.songId
inner join albums
on albums.albumId = album_songs.albumId
group by albums.albumId
having albums.albumNumberOfTracks = number_of_tracks;
```

15.

```
select musicians.musicianName from musicians

inner join musician_songs on musicians.musicianId =
musician_songs.musicianId
inner join songs on songs.songId = musician_songs.songId

group by musicians.musicianName

order by count(songs.songGenre) desc

limit 1;
```