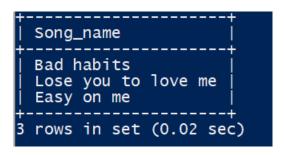
```
سحر محمدی – ۹۸۱۲۷۶۲۳۰۵
```

فاز نهایی پروژه درس پایگاه داده ها استاد نادیه آرمین

سوالات:

۱- آهنگ های برتر کدامند؟

select Song_name from music where music.MNumber in(select MNumber from Playlist natural join Playlist_musics where Playlist.Name="hit");



۲- آهنگ های یک ژانر خاص کدامند؟

select Song_name from music where music.Genre like "%pop%";

```
Song_name

Song_name

De una vez
Rare
Bad habits
There you are
Dance again
Look at her now
Lose you to love me
Vulnerable
Souvenir
She
Boyfriend
Easy on me

12 rows in set (0.01 sec)
```

۳- پلی لیست های من؟

select Name from playlist where Playlist.PNumber in(select PNumber from User natural join User_Playlists where User.username="dawn");

select Name from playlist natural join User Playlists where userId=1;

```
۴- این آهنگ متعلق به چه آلبومی است؟
```

select Name from music, album where music.ANumber=album.ANumber and Song_name="De una vez";

select name from album inner join music on album.ANumber=music.ANumber and Song_name="Boyfriend";

```
+----+
| name |
+----+
| Rare |
+----+
1 row in set (0.01 sec)
```

```
۵- این آهنگ متعلق به چه خواننده ای است؟
```

select Username from User, Singer where User.UserId=Singer.UserId and Singer.SingerId=(select SingerId from music where Song_name="Selfish love");

select Song_name, count(LNumber) from music natural join likes group by MNumber;

Song_name	count(LNumber)
Selfish love De una vez Willow Marjorie Coney Island Lose you to love me Souvenir Boyfriend	2 1 1 1 1 2 1 1
8 rows in set (0.00 sec)	

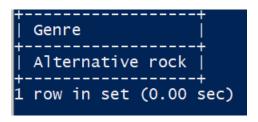
select Song_name, count(LNumber) as Likes from music natural join likes group by MNumber order by Likes desc;

Song_name	Likes	
Selfish love Lose you to love me De una vez Willow Marjorie Coney Island Souvenir Boyfriend	2 2 1 1 1 1 1	
8 rows in set (0.01 sec)		

٨- تعداد ترک های این البوم؟

select count(Song_name) from music, album where music.ANumber=Album.ANumber and Name="Rare";

select Genre from Music where Song_name="Coney Island";



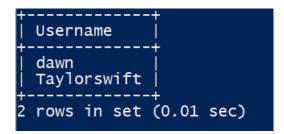
۱۰ - آهنگ چقدر لایک خورده و چه کسانی لایکش کرده اند؟ ۱۱ - نظرات بقیه راجب این آهنگ چیست؟

select Username, Text from comment, music, user where comment.MNumber=music.MNumber and comment.UserId=user.UserId and Song name="Selfish love";

+ Username	Text
dawn Taylorswift Betty Selenagomez Selenagomez	It?s perfect well done girl the whole album is great thank you all I love you too <3
5 rows in set (0.00 sec)	

۱۲- چه کسانی این کاربر را دنبال می کنند؟

select Username from user inner join follow on
user.UserId=follow.UserId_following where UserId_followed=2;



select Song_name, Text from music left outer join comment on music.MNumber=comment.MNumber;

```
Song_name
                                           Text
                                           It?s perfect
well done girl
the whole album is great
thank you all
I love you too <3
seriously, de una vez por toda
NULL
so sad : 6
  Selfish love
Selfish love
Selfish love
Selfish love
Selfish love
  De una vez
Willow
Marjorie
Coney Island
                                                                                                       soy mas forte sola
                                           so sad :(
NULL
                                           NULL
I can?t stop listening to it
NULL
  Rare
Bad habits
  There you are
Dance again
Look at her now
Lose you to love me
Vulnerable
                                           NULL
NULL
                                           NULL
If I had to choose a song to only listen to it for the rest of my life, I would choose souvenir
   Souvenir
  Boyfriend
Easy on me
                                               love this song
20 rows in set (0.00 sec)
```

۱۴- همه کاربرانی که سنشون از بعضی های دیگه بیشتره؟(فقط برای اینکه از some استفاده بشه)
select Username from user where age > some(select age from user);



۱۵- همه اهنگ هایی که تعداد لایک های ان از همه اهنگ های یک خواننده بیشتر است؟(برای استفاده از all

select Song_name, count(LNumber) as I from likes, music where likes.MNumber=music.MNumber group by likes.MNumber having I>all(select count(LNumber) from likes, music where likes.MNumber=music.MNumber and SingerId=2 group by likes.MNumber);