## DnA: Homework 3

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 Select \* from Track where Milliseconds IN (select MAX(Milliseconds) from Track);

2) Select COUNT(DISTINCT T.TrackID) as NoOfAudioTracks from Track T, ListeningTo LT, Listener L Where T.TrackID = LT.TrackID and LT.ListenerID = L.ListenerID and Nationality = 'Indian';

3) Select Album.AlbumID, Album.Name, SUM(Bytes) as MemoryUsed From Track, Album where Track.AlbumID = Album.AlbumID group by Track.AlbumID having SUM(Bytes) >= ALL (select SUM(Bytes) from Track group by AlbumID);

4) Select Listener.Nationality, SUM(ListeningTo.Milliseconds) from Track, ListeningTo, Listener where Track.TrackID = ListeningTo.TrackID and ListeningTo.ListenerID = Listener.ListenerID group by Listener.Nationality having SUM(ListeningTo.Milliseconds) <= ALL (select SUM(Milliseconds from ListeningTo, Listener where ListeningTo.ListenerID = Listener.ListenerID group by Nationality);</p>

## 5) Select Genre.Name

From Track, Genre, ListeningTo, Listener
where Track.GenreID = Genre.GenreID and
Track.TrackID = ListeningTo.TrackID and
ListeningTo.ListenerID = Listener.ListenerID and
Nationality = 'American'
group by Genre.Name
having COUNT(DISTINCT Listener.Name)
>= ALL (select COUNT(DISTINCT Listener.Name)
From Track, Genre, ListeningTo, Listener
where Track.GenreID = Genre.GenreID and
Track.TrackID = ListeningTo.TrackID and
ListeningTo.ListenerID = Listener.ListenerID and
Nationality = 'American'
Order by Genre.Name);

nysql> select Genre.Name from Track, Genre, ListeningTo, Listener where Track.GenreID = Genre.GenreID AND Track.TrackID = ListeningTo.TrackID AND ListeningTo.ListenerID = Listener.ListenerID and national ity = 'American' group by Genre.Name having COUNT(DISTINCT Listener.Name) >= ALL(select COUNT(DISTINCT Listener.Name) from Track, Genre, ListeningTo, Listener where Track.GenreID = Genre.GenreID AND Track.TrackID = ListeningTo.TrackID AND ListeningTo.ListenerID = Listener.ListenerID and nationality = "American" order by Genre.Name);

| Name |
| Name |

6) Select \* from Artist where ArtistID not in (select ArtistID from Track);

7) Select \* from Artist
Where ArtistID not in
(select ArtistID from Track where GenreID = (select GenreID from Genre where Name = "Pop"));