**Q1) List the User names, Playlist name, Song id, and Artist id where the playlist contains the song “Touch It / Technologic”.**

SELECT USERS.USER\_NAME, PLAYLISTS.PLAYLIST\_NAME, SONGS.SONG\_ID,SONGS.ARTIST\_ID FROM

USERS\_LISTENS\_TO, PLAYLISTS,PLAYLIST\_CONTAINS\_SONGS,SONGS,USERS

WHERE USERS\_LISTENS\_TO.PLAYLIST\_ID=PLAYLISTS.PLAYLIST\_ID

AND PLAYLISTS.PLAYLIST\_ID=PLAYLIST\_CONTAINS\_SONGS.PLAYLIST\_ID

AND PLAYLIST\_CONTAINS\_SONGS.SONG\_ID=SONGS.SONG\_ID

AND USERS.USER\_ID=USERS\_LISTENS\_TO.USER\_ID

AND SONGS.SONG\_TITLE='Touch It / Technologic';

**Q2) List the album titles, album year, artist name and the users who follow the artist whose artist id is 4.**

SELECT artists.artist\_name,albums.album\_title, albums.album\_year, users.user\_name

FROM artists, albums,users,users\_follow\_artists

where artists.artist\_id=albums.artist\_id

and users.user\_id=users\_follow\_artists.user\_id

and users\_follow\_artists.artist\_id=artists.artist\_id

and artists.artist\_id=4 ;

**Q3) List the songs names, artist names , album year playlist id of the playlist with number 5,order by album year.**

SELECT songs.song\_title, artists.artist\_name, playlists.playlist\_id, albums.album\_year

FROM songs, albums, artists,playlist\_contains\_songs,playlists

WHERE playlists.playlist\_id=playlist\_contains\_songs.playlist\_id

and playlist\_contains\_songs.song\_id=songs.song\_id

and songs.artist\_id=artists.artist\_id

and albums.album\_ıd = songs.album\_ıd

and playlists.playlist\_id=5

ORDER BY albums.album\_year;

**Q4) List the user id and user names of users who do not listen to the playlist no 3.**

SELECT users.user\_id,users.user\_name

FROM users

where user\_id

NOT IN

(SELECT users\_listens\_to .user\_id

FROM users\_listens\_to

WHERE users\_listens\_to.playlist\_id=3);

**Q5) List all the user names and user ids together with the total number of artists they follow.**

SELECT users.user\_id, users.user\_name,

(SELECT COUNT(artist\_id) FROM USERS\_FOLLOW\_ARTISTS WHERE USERS.USER\_ID=USERS\_FOLLOW\_ARTISTS.USER\_ID) "Followed Artist Count"

FROM USERS;

--OR

SELECT users.user\_id, users.user\_name,

(SELECT COUNT(users.user\_id)

FROM USERS\_FOLLOW\_ARTISTS, ARTISTS

WHERE USERS.USER\_ID=USERS\_FOLLOW\_ARTISTS.USER\_ID

AND USERS\_FOLLOW\_ARTISTS.ARTIST\_ID = ARTISTS.ARTIST\_ID

group by users.user\_id) "Followed Artist Count"

FROM USERS;

**Q6) List all the playlist id, playlist titles and the total number of songs in each playlist.**

SELECT playlists.playlist\_id, playlists.playlist\_name,

(SELECT COUNT (playlist\_contains\_songs.song\_id)

FROM PLAYLIST\_CONTAINS\_SONGS WHERE playlists.playlist\_id=PLAYLIST\_CONTAINS\_SONGS.playlist\_id) "Num of Songs"

FROM PLAYLISTS;

**Q7) List the artist names and the number of followers.**

select artists.artist\_name,

(select count(users\_follow\_artists.artist\_id) follower\_count

FROM users\_follow\_artists

WHERE artists.artist\_id=users\_follow\_artists.artist\_id ) "num of followers"

FROM artists;