

DNA-HW3

Team-58

1. SELECT TrackID, Name FROM Track WHERE Milliseconds IN (SELECT MAX(Milliseconds) FROM Track);

```
mysql> SELECT TrackID,Name FROM Track WHERE Milliseconds IN (SELECT MAX(Milliseconds) FROM Track);
+-----+-----+
| TrackID | Name |
+-----+-----+
|      15 | Under Pressure |
+-----+-----+
1 row in set (0.00 sec)
```

2. select count(distinct TrackID) from ListeningTo where ListenerID IN (select ListenerID from Listener where Nationality = 'Indian');

```
mysql> select count(distinct TrackID) from ListeningTo where ListenerID IN (select ListenerID from Listener where Nationality = 'Indian');
+-----+
| count(distinct TrackID) |
+-----+
|                12 |
+-----+
1 row in set (0.00 sec)
```

3. select Album.Name from Album where AlbumID in (select A from (select AlbumID as A ,sum(Bytes) as S from Track group by AlbumID) as tf where S = (select max(S) from (select AlbumID as A ,sum(Bytes) as S from Track group by AlbumID) astt));

```
mysql> select Album.Name from Album where AlbumID in (select A from (select AlbumID as A ,sum(Bytes) as S from Track group by AlbumID) as tf where S = (select max(S) from (select AlbumID as A ,sum(Bytes) as S from Track group by AlbumID) astt));
+-----+
| Name |
+-----+
| Under Pressure |
+-----+
1 row in set (0.00 sec)
```

4. select sum(LT.Milliseconds), L.Nationality from Listener as L, ListeningTo as LT where L.ListenerID = LT.ListenerID group by L.Nationality order by sum(LT.Milliseconds) ASC limit 1;

```
mysql> select sum(LT.Milliseconds), L.Nationality from Listener as L, ListeningTo as LT where L.ListenerID = LT.ListenerID group by L.Nationality order by sum(LT.Milliseconds) ASC limit 1;
+-----+-----+
| sum(LT.Milliseconds) | Nationality |
+-----+-----+
| 468984058 | Indian |
+-----+-----+
1 row in set (0.00 sec)
```

5. select G.GenreID, G.Name from Listener AS L,ListeningTo AS LT, Genre AS G , Track as T where L.ListenerID = LT.ListenerID AND T.GenreID = G.GenreID AND LT.TrackID = T.TrackID AND L.Nationality = "American" group by G.GenreID order by count(*) DESC limit 1;

```
mysql> select G.GenreID, G.Name from Listener AS L,ListeningTo AS LT, Genre AS G , Track as T where L.ListenerID = LT.ListenerID AND T.GenreID = G.GenreID AND LT.TrackID = T.TrackID AND L.Nationality = "American" group by G.GenreID order by count(*) DESC limit 1;
+-----+-----+
| GenreID | Name |
+-----+-----+
|      4 | Rap |
+-----+-----+
1 row in set (0.00 sec)
```

6. select A.ArtistID , A.Name from Artist as A where A.ArtistID not in (select ArtistID from Track group by ArtistID);

```
mysql> select A.ArtistID , A.Name from Artist as A where A.ArtistID not in (select ArtistID from Track group by ArtistID);
+-----+
| ArtistID | Name      |
+-----+
| 4        | Vennu Mallesh |
+-----+
1 row in set (0.01 sec)
```

7. select distinct A.ArtistID , A.Name from Artist as A, Track AS T where A.ArtistID not in (select ArtistID from Track where Track.GenreID IN (select GenreID from Genre AS G where G.Name = "Pop"));

```
mysql> select distinct A.ArtistID , A.Name from Artist as A, Track AS T where A.ArtistID not in (select ArtistID from Track where Track.GenreID IN (select GenreID from Genre AS G where G.Name = "Pop"));
+-----+
| ArtistID | Name      |
+-----+
| 4        | Vennu Mallesh |
| 2        | Logic      |
+-----+
2 rows in set (0.00 sec)
```