SQL Case Study:

Analyzing Data for Decisive Insights

Present by **Pankaj Rana**

Q1. Find id and name of the track which are at position between 8-12.

SELECT

Id,

Trackname

FROM Spotify

Where

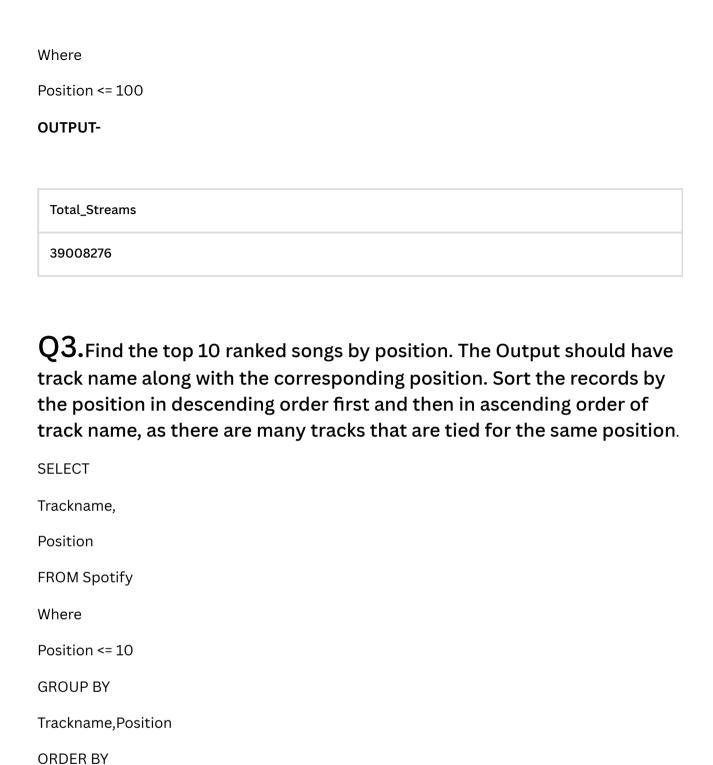Position BETWEEN 8 AND 12

ORDER BY Id ASC

OUTPUT-

Id	Trackname
28007	Una Lady Como T
54008	Una Lady Como T
107808	Chocolat (feat. Awa)
119208	Mobali

Q2. Find the total number of streams for the top 100 ranked songs.

SELECT

SUM(Streams) As Total_Streams

FROM Spotify

Where

Position <= 100

OUTPUT-

Total_Streams
39008276

Q3.Find the top 10 ranked songs by position. The Output should have track name along with the corresponding position. Sort the records by the position in descending order first and then in ascending order of track name, as there are many tracks that are tied for the same position.

SELECT

Trackname,

Position

FROM Spotify

Where

Position <= 10

GROUP BY

Trackname,Position

ORDER BY

Position DESC,Trackname ASC

OUTPUT-

Trackname	Position
Ahora Dice	10
Bling Bling	10
El Party	10
Vacaciones	10
You Don't Know Me - Radio Edit	10

Q4.Find Artist names having a lowest total stream.

SELECT

Artist,

SUM(Streams) AS Total_Streams

FROM Spotify

GROUP BY 1

ORDER BY 2 ASC

LIMIT 1

OUTPUT-

Artist	Total_Streams
CNCO	1009

Q5.Find the name of the track having 10th highest stream according to the data.

WITH Stream_Wise_Rank AS (

  SELECT

  Trackname,

Rank() OVER (ORDER BY Streams DESC) AS Stream_Rank

FROM Spotify)

SELECT

Trackname

FROM Stream_Wise_Rank

WHERE Stream_Rank = 10

OUTPUT-

Trackname
DNA

Q6.Who is the artist of the track having 40th highest stream according to the data.

WITH Stream_Wise_Rank AS (

SELECT

*,

Rank() OVER (ORDER BY Streams DESC) AS Stream_Rank

FROM Spotify)

SELECT

Artist

FROM Stream_Wise_Rank

WHERE Stream_Rank = 40

OUTPUT-

Artist
Matoma
Emma Stone
Sia
French Montana
Migos

Q7. What is the name of the track having the 25th lowest stream according to the data.

WITH Stream_Wise_Rank AS (

  SELECT

  *,

  Rank() OVER (ORDER BY Streams ASC) AS Stream_Rank

  FROM Spotify)

  SELECT

 Trackname

  FROM Stream_Wise_Rank

  WHERE Stream_Rank = 25

OUTPUT-

Trackname
Heart Won't Forget
Someone In The Crowd - From "La La Land" Soundtrack
The Greatest
Unforgettable
Bad and Boujee (feat. Lil Uzi Vert)