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Query:

1.Most Popular Tracks in Playlists:

SELECT track\_name, `artist\_s\_\_name`, in\_spotify\_playlists

FROM kaminiyelamar.Spotify23.Spotify\_23

ORDER BY in\_spotify\_playlists DESC

LIMIT 10;

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2.Trends in Music Over Years:

SELECT released\_year, AVG(danceability\_\_) as Avg\_danceability , AVG(energy\_\_) as Avg\_energy, AVG(acousticness\_\_) as Avg\_acousticness

FROM kaminiyelamar.Spotify23.Spotify\_23

GROUP BY released\_year

ORDER BY released\_year;

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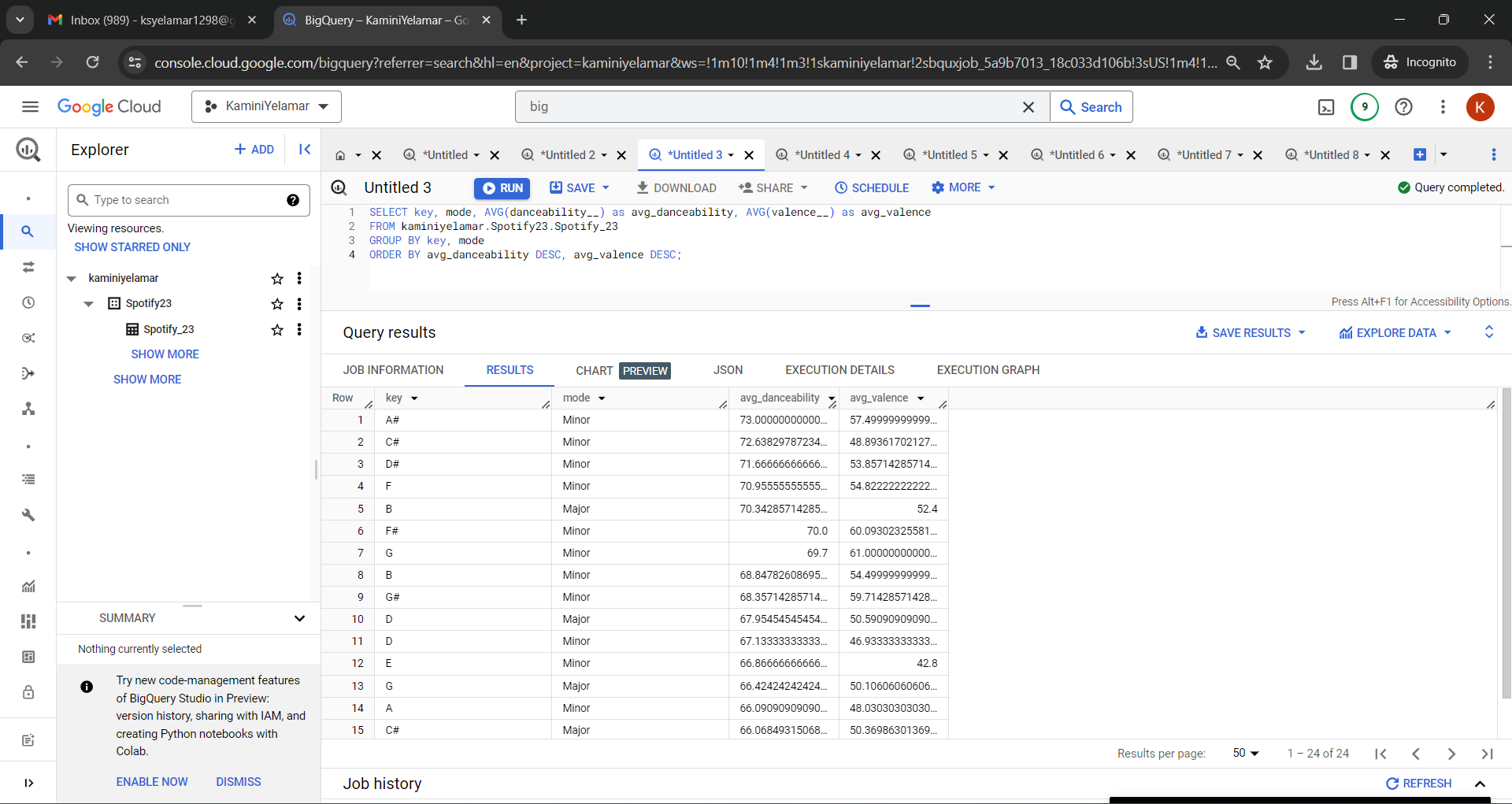
3.Popular Music Features:

SELECT key, mode, AVG(danceability\_\_) as avg\_danceability, AVG(valence\_\_) as avg\_valence

FROM kaminiyelamar.Spotify23.Spotify\_23

GROUP BY key, mode

ORDER BY avg\_danceability DESC, avg\_valence DESC;



4.Comparison of Playlist vs Chart Presence:

SELECT track\_name, `artist\_s\_\_name`, in\_spotify\_playlists, in\_spotify\_charts

FROM kaminiyelamar.Spotify23.Spotify\_23

WHERE in\_spotify\_playlists > 1000 OR in\_spotify\_charts > 50

ORDER BY in\_spotify\_playlists DESC, in\_spotify\_charts DESC;

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5.Comparing Song Popularity Across Different Music Streaming Platforms:

SELECT track\_name, `artist\_s\_\_name`, streams, in\_spotify\_playlists, in\_apple\_playlists

FROM kaminiyelamar.Spotify23.Spotify\_23

ORDER BY streams DESC;

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6.Relationships Between Song Attributes and Music Popularity Over Time:

SELECT released\_year, AVG(danceability\_\_) AS avg\_danceability, AVG(energy\_\_) AS avg\_energy, AVG(acousticness\_\_) AS avg\_acousticness, AVG(streams) AS avg\_streams

FROM kaminiyelamar.Spotify23.Spotify\_23

GROUP BY released\_year

ORDER BY released\_year;

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7.Improving Attributes for Least Streamed Songs:

WITH LeastStreamed AS (

  SELECT track\_name, `artist\_s\_\_name`, streams

  FROM kaminiyelamar.Spotify23.Spotify\_23

  ORDER BY streams

  LIMIT 100

)

SELECT AVG(danceability\_\_) as Avg\_danceability , AVG(energy\_\_) as Avg\_energy, AVG(acousticness\_\_) as Avg\_acousticness, AVG(valence\_\_) as Avg\_valence, AVG(speechiness\_\_) as speechiness

FROM kaminiyelamar.Spotify23.Spotify\_23

WHERE track\_name NOT IN (SELECT track\_name FROM LeastStreamed);

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8.Top Artists by Stream Count:

SELECT `artist\_s\_\_name`, SUM(streams) as total\_streams

FROM kaminiyelamar.Spotify23.Spotify\_23

GROUP BY `artist\_s\_\_name`

ORDER BY total\_streams DESC

LIMIT 10;

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Visualization: