Query 1

```sql
CREATE OR REPLACE TABLE
`myprojectafrobeatsdata.Afrobeats_dataset.afrobeats_comparison` AS
SELECT Song_Title, Artist, Rank, Streams, NULL AS Weeks_on_Chart, NULL AS Growth,
'Spotify' AS platform
FROM `myprojectafrobeatsdata.Afrobeats_dataset.Spotify Music`

UNION ALL

SELECT Song_Title, Artist, Rank, NULL AS Streams, NULL AS Weeks_on_Chart, NULL AS
Growth, 'Apple Music' AS platform
FROM `myprojectafrobeatsdata.Afrobeats_dataset.Apple Music`

UNION ALL

SELECT Song_Title, Artist, Views, Rank, Weeks_on_Chart, Growth, 'YouTube Music' AS
platform
FROM `myprojectafrobeatsdata.Afrobeats_dataset.YouTube Music`;
```

note: This structure allows us to compare data across platforms.

Query 2

```sql
SELECT Artist, count(distinct platform) as platforms_appeared, count(Song_Title) as
song_count
FROM `myprojectafrobeatsdata.Afrobeats_dataset.afrobeats_comparison`
GROUP BY artist
ORDER BY platforms_appeared DESC, song_count DESC
LIMIT 10;
```

note: This query shows us the top 10 most frequently appearing artists across all
platforms by song count. Wizkid seems to be topping the list with 25 songs appearing
across all three charts in all platforms, Asake comes a not so distant second with 15
songs in all platforms and the last but not the least, Burna Boy the African Giant
comes in third place with a total of 9 songs across all 3 platforms.

Query 3

```
SELECT song_title, artist, MAX(streams) AS total_streams
FROM `myprojectafrobeatsdata.Afrobeats_dataset.afrobeats_comparison`
WHERE platform = 'Spotify'
GROUP BY song_title, artist
ORDER BY total_streams DESC
LIMIT 10;
```

note: This query shows the most streamed songs on the Spotify Charts limiting the songs to just the top 10. From the query results, Rema's Baby (Is it a Crime) seems to be dominating the Nigerian Spotify top 50 charts with a total of 3.3 Million streams on the charts. ODUMODUBLVCK teams up with Victony on PITY THIS BOY to chart at number two with a total of 2.7Million streams. While Fido's Joy is coming takes the third spot with 1.6 Million streams , Davido featuring ODUMODUBLVCK and their Funds hit single comes right after with a total of 1 Million streams, Faceless & Serøtin who are newcomers in the industry takes the fifth spot with his Venus track, a melodious alternative afrobeats style that racks up a total of 995K Streams, just shy away from a Million Streams on a song on the Spotify Platform. I'd like to note that Fido who charts at number 3 is the only artist to chart twice in the top 10 most streamed songs on the charts coming in at number 3 and 6 with Awolowo his debut single taking a total of 918K streams. Fido is also a newcomer in the industry.
For an updated version of the charts click this link:
//open.spotify.com/playlist/37i9dQZEVXbLw80jjcctV1

Query 4:

```
SELECT
Song_Title,
Artist,
Platform,
Streams,
Views,
CASE
WHEN Platform = 'Spotify' THEN SAFE_CAST(REGEXP_REPLACE(CAST(Streams AS STRING),
r'[^0-9]', '') AS INT64) * 0.004
ELSE NULL
```

```sql
END AS Spotify_Revenue_USD,


CASE
WHEN Platform = 'YouTube Music' THEN SAFE_CAST(REGEXP_REPLACE(CAST(Views AS STRING),
r'[^0-9]', '') AS INT64) * 0.00069
ELSE NULL
END AS YouTube_Revenue_USD,

COALESCE(
SAFE_CAST(REGEXP_REPLACE(CAST(Streams AS STRING), r'[^0-9]', '') AS INT64) * 0.004, 0
) +
COALESCE(
SAFE_CAST(REGEXP_REPLACE(CAST(Views AS STRING), r'[^0-9]', '') AS INT64) * 0.00069, 0
) AS Total_Revenue_USD

FROM `myprojectafrobeatsdata.Afrobeats_dataset.afrobeats_comparison`
WHERE Platform IN ('Spotify', 'YouTube Music')
ORDER BY Total_Revenue_USD DESC;
```

Note: This query converts the streams from Spotify and the Views from YouTube to USD based on their respective pay-out rates on the charts.

Query 5:

```sql
SELECT
Artist,
SUM(
COALESCE(
 SAFE_CAST(REGEXP_REPLACE(CAST(Streams AS STRING), r'[^0-9]', '') AS INT64) * 0.004, 0
)
 ) AS Total_Spotify_Earnings_USD
FROM `myprojectafrobeatsdata.Afrobeats_dataset.afrobeats_comparison`
WHERE Platform = 'Spotify'
GROUP BY Artist
ORDER BY Total_Spotify_Earnings_USD DESC
```

```
LIMIT 10;
```

note: This query gives us the top 10 total spotify earnings on the chart by artists. ODUMODUBLVCK tops this list with a total earning of $14,336.48 with Rema coming in at number two with a total earning of $13,558.4. I would like to note that ODUMODUBLVCK appears in a total of five songs in the chart.

Query 6:

```
SELECT song_title, artist, MAX(Weeks_on_Chart) AS longest_weeks
FROM `myprojectafrobeatsdata.Afrobeats_dataset.afrobeats_comparison`
WHERE platform = 'YouTube Music'
GROUP BY song_title, artist
ORDER BY longest_weeks DESC
LIMIT 10;
```

note: This query shows the long-lasting songs on the YouTube Top 100 Nigeria charts and limiting it to top 10. Omah Lay seems to dominate this category with his Understand hit single spending a total of 63 weeks on the chart. Omah Lay also appears to be in the top 4 songs that have spent the longest week on the chart being in the number 1,3 and 4 songs respectively.

Query 7:

```
SELECT song_title, artist, MAX(Growth) AS highest_growth
FROM `myprojectafrobeatsdata.Afrobeats_dataset.afrobeats_comparison`
WHERE platform = 'YouTube Music'
GROUP BY song_title, artist
ORDER BY highest_growth DESC
LIMIT 10;
```

note: This query shows the top 10 songs with the highest growth rate on the YouTube music charts and Tems with her recently Grammy-Award winning single Love Me Jeje coming in at number one with a growth rate of 1% and this is a lot when considering the fact that the second song on the list which is Money by Teni has a total growth rate of 0.32%. Nigerian female artists Tems and Teni seem to dominate the top 2 spots based on growth rate on the charts.

Query 8:

```sql
SELECT
yt.song_title,
yt.artist,
yt.rank AS YouTube_Rank,
yt.Growth,
yt.Weeks_on_Chart,
sp.rank AS Spotify_Rank,
sp.Streams,
am.rank AS Apple_Music_Rank
FROM `myprojectafrobeatsdata.Afrobeats_dataset.afrobeats_comparison` yt
LEFT JOIN `myprojectafrobeatsdata.Afrobeats_dataset.afrobeats_comparison` sp
ON yt.song_title = sp.song_title AND yt.artist = sp.artist AND sp.platform = 'Spotify'
LEFT JOIN `myprojectafrobeatsdata.Afrobeats_dataset.afrobeats_comparison` am
ON yt.song_title = am.song_title AND yt.artist = am.artist AND am.platform = 'Apple
Music'
WHERE yt.platform = 'YouTube Music'
ORDER BY yt.Growth DESC, sp.Streams DESC;
```

note: This query shows the song performance across all three charts based on the ranking, streams, weeks on chart, and growth. From the results of the query it appears that Tems Love Me Jeje which is doing well on the YouTube charts based on growth does not seem to appear on any ranking both on the Spotify and Apple Music charts. This indicates that viral growth on YouTube charts does not indicate streaming tractions on Spotify/Apple Music.

Query 9:

```sql
SELECT
Song_Title,
Artist,
SUM(
COALESCE(
SAFE_CAST(REGEXP_REPLACE(CAST(Streams AS STRING), r'[^0-9]', '') AS INT64) * 0.004, 0
)
) AS Total_Spotify_Earnings_USD
FROM `myprojectafrobeatsdata.Afrobeats_dataset.afrobeats_comparison`
WHERE Platform = 'Spotify'
```

```
GROUP BY Song_Title, Artist
ORDER BY Total_Spotify_Earnings_USD DESC
LIMIT 1;
```

note: This query shows the song with the highest earnings in the Spotify Charts with Rema's Baby (Is it a Crime) earning a total of $13,473.82.

Query 10:

```
SELECT
Song_Title,
Artist,
COUNT(DISTINCT Platform) AS Appearance_Count
FROM `myprojectafrobeatsdata.Afrobeats_dataset.afrobeats_comparison`
GROUP BY Song_Title, Artist
ORDER BY Appearance_Count DESC
LIMIT 10;
```

note: This query shows the songs that appear across all three charts limiting it to just 10.

For an updated version of all the charts;

Spotify Nigeria Top 50:https://open.spotify.com/playlist/37i9dQZEVXbLw80jjcctV1

 Apple Music Nigeria Top 100:https://music.apple.com/bh/playlist/top-100-nigeria/pl.2fc68f6d68004ae993dadfe99de83877

YouTube Nigeria Top 100 Songs:https://charts.youtube.com/charts/TopSongs/ng/weekly