Basic Queries :

1. **View all records**

   SELECT * FROM influencers;

2. **View top 10 influencers by rank**

   SELECT * FROM influencers ORDER BY rank ASC LIMIT 10;

3. **Show distinct countries**

   SELECT DISTINCT country FROM influencers;

4. **Count total influencers**

   SELECT COUNT(*) AS total_influencers FROM influencers;

5. **Count influencers by country**

   SELECT country, COUNT(*) AS total FROM influencers GROUP BY country;

6. **Show influencers with more than 1 billion total likes**

   SELECT * FROM influencers WHERE total_likes > 1000000000;

7. **Find influencers with zero posts**

   SELECT * FROM influencers WHERE posts = 0;

8. **List influencers from 'India'**

   SELECT * FROM influencers WHERE country = 'India';

9. **Find average followers per country**

   SELECT country, AVG(followers) AS avg_followers FROM influencers GROUP BY country;

10. **List influencers with engagement rate above 2%**

    SELECT * FROM influencers WHERE sixty_day_eng_rate > 2;

Intermediate Queries :

11. **Top 5 countries by number of influencers**

    SELECT country, COUNT(*) AS num FROM influencers

    GROUP BY country ORDER BY num DESC LIMIT 5;

12. **Influencers with influence score between 80 and 95**

    SELECT * FROM influencers WHERE influence_score BETWEEN 80 AND 95;

13. **Total likes by country**

    SELECT country, SUM(total_likes) AS total_likes_country FROM influencers

    GROUP BY country ORDER BY total_likes_country DESC;

14. **Influencer(s) with maximum followers**

    SELECT * FROM influencers

    WHERE followers = (SELECT MAX(followers) FROM influencers);

15. **Top 10 most engaging influencers (likes per post)**

    SELECT channel_info, (avg_likes / posts) AS engagement_per_post

    FROM influencers

    WHERE posts > 0

    ORDER BY engagement_per_post DESC

    LIMIT 10;

16. **Count of influencers by influence score bracket**

    SELECT

     CASE

      WHEN influence_score >= 90 THEN '90+'

      WHEN influence_score >= 80 THEN '80-89'

      ELSE '<80'

     END AS score_range,

     COUNT(*) AS total

FROM influencers

GROUP BY score_range;

17. **Find influencers missing country info**

SELECT * FROM influencers WHERE country IS NULL OR country = '';

18. **Top 5 influencers by new post average likes**

SELECT channel_info, new_post_avg_like

FROM influencers

ORDER BY new_post_avg_like DESC

LIMIT 5;

19. **Average metrics by country**

SELECT country,

    AVG(followers) AS avg_followers,

    AVG(posts) AS avg_posts,

    AVG(avg_likes) AS avg_likes

FROM influencers

GROUP BY country;

20. **Influencers with lower-than-average engagement**

SELECT * FROM influencers

WHERE sixty_day_eng_rate < (SELECT AVG(sixty_day_eng_rate) FROM influencers);

Advanced Queries :

21. **Rank influencers within each country by followers**

SELECT *,

    RANK() OVER (PARTITION BY country ORDER BY followers DESC) AS country_rank

FROM influencers;

22. **Correlate posts vs likes (likes per post ratio)**

SELECT channel_info, posts, avg_likes,

    (avg_likes / NULLIF(posts, 0)) AS likes_per_post

FROM influencers

ORDER BY likes_per_post DESC

LIMIT 10;

23. **Find countries with average engagement rate above 1.5%**

SELECT country, AVG(sixty_day_eng_rate) AS avg_eng

FROM influencers

GROUP BY country

HAVING avg_eng > 1.5;

24. **Find influencers above 95th percentile in followers**

SELECT * FROM influencers

WHERE followers >= (

  SELECT PERCENTILE_CONT(0.95) WITHIN GROUP (ORDER BY followers) OVER ()

);

25. **Create a view of top influencers with >1M followers**

CREATE VIEW top_influencers AS

SELECT * FROM influencers WHERE followers > 1000000;