Select Queries for SMA (Social Media Analytics)

1) Get total number of users

select count(\*) as total\_users from users;

2) Find users who joined in the last 30 days

select \* from users where joined\_on >= curdate() - interval 730 day;

3) List users with their total number of posts

select u.user\_id, u.username, count(p.post\_id) as post\_count from users u left join posts p on u.user\_id = p.user\_id group by u.user\_id, u.username;

4) Total likes given by each user

select user\_id, count(\*) as total\_likes from likes group by user\_id;

5) Total likes received per post

select post\_id, count(\*) as likes\_received from likes group by post\_id;

6) Most liked post (post with max likes)

select post\_id, count(\*) as like\_count from likes group by post\_id limit 1;

7) Total comments per user

select user\_id, count(\*) as comment\_count from comments group by user\_id;

8) Total comments per post

select post\_id, count(\*) as comments\_count from comments group by post\_id;

9) Latest 5 comments on a specific post (e.g. post\_id = 66005)

select \* from comments where post\_id = 66005 order by commented\_on desc limit 5;

10) Total posts created by each user

select user\_id, count(\*) as total\_posts from posts group by user\_id;

11) Posts created on date between no of days

select \* from posts where posted\_on >= date('2025-03-01') - interval 7 day;

12) Top 3 most recent posts

select \* from posts order by posted\_on desc limit 3;

13) Number of tags assigned per post

select post\_id, count(tag\_id) as tag\_count from post\_tags group by post\_id;

14) Posts that have a specific tag (e.g. tag\_id = 8585021)

select post\_id from post\_tags where tag\_id = 8585021;

15) Top 5 posts with the most tags

select post\_id, count(tag\_id) as tag\_count from post\_tags group by post\_id order by tag\_count desc limit 5;

16) Total number of tags available

select count(\*) as total\_tags from tags;

17) List all tags alphabetically

select \* from tags order by tag\_name asc;

18) Find tag by name (e.g. education, dreams, career….)

select \* from tags where tag\_name = education;

19) Total shares per post

select post\_id, count(\*) as share\_count from shares group by post\_id;

20) Total shares by each user

select user\_id, count(\*) as total\_shares from shares group by user\_id;

21) Most shared post

select post\_id, count(\*) as share\_count from shares group by post\_id order by share\_count desc limit 1;

22) Number of followers each user has?

select follower\_id, count(\*) as follower\_count from followers group by follower\_id;

23) Show the average count of likes, posts, shares and comments does a post get.

select(select count(\*) from likes) / (select count(\*) from posts) as avg\_likes, (select count(\*) from comments) / (select count(\*) from posts) as avg\_comments, (select count(\*) from shares) / (select count(\*) from posts) as avg\_shares;

24) Get top 3 posts based on likes, comments and shares received.

select p.post\_id, count(distinct l.like\_id) + count(distinct c.comment\_id) + count(distinct s.share\_id) as involvement from posts p left join likes l on p.post\_id = l.post\_id left join comments c on p.post\_id = c.post\_id left join shares s on p.post\_id = s.post\_id group by p.post\_id order by involvement desc limit 3;

25) Which content or post has been shared in the past 70 days?

select \* from shares where shared\_on >= now() - interval 70 day;

26) How many times has each post been shared on each platform?

select post\_id, platform, count(\*) as share\_count from shares group by post\_id, platform;

27) Show the users who have shared the most content overall?

select u.username, count(\*) as total\_shares from shares s join users u on s.user\_id = u.user\_id group by s.user\_id order by total\_shares desc limit 5;

28) Show the posts made on specific dates.

select \* from posts where posted\_on = '2013-09-10' or posted\_on = '2015-03-02';

29) Fetch the tags, associated with the post having id 66001.

select t.tag\_name from tags t join post\_tags pt on t.tag\_id = pt.tag\_id where pt.post\_id = 66001;

30) Show the posts that has the highest number of comments.

select post\_id, count(\*) as comment\_count from comments group by post\_id order by comment\_count desc limit 1;