**DBMS: -Queries**

--1. Updating a users profile pic

UPDATE Users SET Profile\_pic = E'\\x54657374496d67' WHERE User\_id = 31;

--2. Get the users who have liked a particular post.

SELECT \* FROM Likes WHERE Post\_id = 350;

--3. List userid,fname,lname of users who have liked posts on date = 2007-01-08.

SELECT user\_id,fname,lname

FROM USERS NATURAL JOIN POST

WHERE Post\_date = '2007-01-08';

--4. List userid,fname,lname of users who have liked a post with postid = 350

SELECT user\_id,fname,lname

Users NATURAL JOIN Likes NATURAL JOIN POST

WHERE post\_id = 350;

--5. Give the Caption,Video,Song,Image,Location of Posts with collection name = 'My Space'

SELECT Caption,Video,Song,Image,Location

FROM Post NATURAL JOIN Saved\_as

WHERE collection\_name = "My Space"

--6. List the comments made on a post with id 518 by users.

SELECT Text\_content,comment\_time

FROM Post\_comment NATURAL JOIN POST

WHERE Post\_id = 518;

--7. Get no of likes of posts.

SELECT Post.\*, COUNT(Likes.User\_id)

AS LikesCount

FROM Post

LEFT JOIN Likes ON Post.Post\_id = Likes.Post\_id

GROUP BY Post.Post\_id;

--8. Get users who have not posted anything.

SELECT User\_id

AS UsersWithNoPost

FROM (SELECT User\_id FROM Users)

EXCEPT (SELECT User\_id FROM Post);

--9. Get posts with their comment count

SELECT Post.\*, COUNT(Post\_Comment.post\_comment\_id)

AS CommentsCount

FROM Post

LEFT JOIN POSt\_comment ON Post.Post\_id = Post\_Comment.Post\_id

GROUP BY Post.Post\_id;

--10. Get posts with comment count greater than 1 but less than 20.

SELECT Post.\*, COUNT(Post\_Comment.post\_cmt\_id)

AS CommentsCount

FROM Post

LEFT JOIN Post\_comment ON Post.Post\_id = Post\_Comment.Post\_id

GROUP BY Post.Post\_id

HAVING COUNT(Post\_Comment.post\_cmt\_id) > 1 AND COUNT(Post\_Comment.post\_cmt\_id) < 20;

--11. Get users who have liked their own posts

SELECT Users.\*

FROM Users

INNER JOIN Likes ON Users.User\_id = Likes.User\_id

INNER JOIN Post ON Likes.Post\_id = Post.Post\_id

WHERE Users.User\_id = Post.User\_id;

--12. Get users who have not liked a specific post

SELECT Users.\*

FROM Users

WHERE Users.User\_id NOT IN

(SELECT User\_id FROM Likes WHERE Post\_id = '333');

--13. Give the average post per user

SELECT AVG(post\_id)

AS avg\_post\_per\_user

FROM (

SELECT COUNT(\*)

AS post\_id

FROM Post

GROUP BY User\_id

)

AS post\_counts;

--14. Users who have posted more than 5 posts

SELECT user\_id, COUNT(user\_id)

AS post\_count FROM post

GROUP BY user\_id

HAVING COUNT(user\_id) > 5

ORDER BY COUNT(user\_id) DESC;

--15. Get comments liked by a user in a post

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SELECT Post\_comment.\*

FROM Post\_comment

INNER JOIN comment\_likes ON post\_comment.post\_cmt\_ID = comment\_likes.post\_cmt\_ID

WHERE comment\_likes.user\_id = '70' AND Post.Post\_id = '580';

--16. Get comments liked by user

SELECT Post\_comment.\*

FROM Post\_comment

INNER JOIN comment\_likes ON Post\_comment.post\_cmt\_id = comment\_likes.post\_cmt\_id

WHERE comment\_likes.user\_id = '120';

--17. User Not Followed by anyone

SELECT user\_id,fname,lname

AS "User\_not\_followed\_anyone"

FROM users

WHERE user\_id NOT IN (SELECT followee\_id FROM follow);

--18. User Not Following Anyone

SELECT user\_id,fname,lname AS "User\_Not\_Following\_Anyone"

FROM users

WHERE user\_id NOT IN (SELECT follower\_id FROM follow);

--19. Followee with Followers > 3

SELECT followee\_id, COUNT(follower\_id)

AS follower\_count FROM follow

GROUP BY followee\_id

HAVING COUNT(follower\_id) > 3

ORDER BY COUNT(follower\_id) DESC;

--20. Longest captions in post

SELECT user\_id, caption, LENGTH(post.caption)

AS caption\_length

FROM post

ORDER BY caption\_length

DESC LIMIT 5;

--21. Get names of user tagged on posts

SELECT post.post\_id, users.user\_id

AS tagged\_user,users.fname,users.lname

FROM Post

INNER JOIN tag ON Post.post\_id = tag.post\_id

LEFT JOIN Users ON tag.user\_id = Users.user\_id

GROUP BY users.user\_id,post.post\_id

ORDER by post.post\_id DESC ;

--22. Get users tagged in a post and their details:

SELECT Users.\*

FROM Users

INNER JOIN tag ON Users.user\_id = tag.user\_id

WHERE tag.post\_id = '606';

--23. Get posts tagged with given users.

SELECT Post.\*

FROM Post

INNER JOIN tag ON Post.post\_id = tag.post\_id

WHERE tag.user\_id IN ('14', '15');

--24. Get all users with their email addresses

SELECT Users.user\_id, Users.fname, Users.lname, User\_email.email\_id

FROM Users

LEFT JOIN User\_email ON Users.user\_id = User\_email.user\_id;

--25. Count the number of email addresses for each user

SELECT user\_id, COUNT(email\_id)

AS no\_of\_emails

FROM User\_email

GROUP BY user\_id;

--26. Get users by contact information

SELECT Users.user\_id, Users.fname, Users.lname

FROM Users

INNER JOIN user\_contact ON Users.user\_id = user\_contact.user\_id

WHERE user\_contact.contact\_no = '+919854672312';

--27. Get all ads associated with a postid = 512

SELECT Ad.\*

FROM Ad

INNER JOIN Placed\_as ON Ad.Organizer\_name = Placed\_as.Organizer\_name

WHERE Placed\_as.post\_id = 512;

--28. Find all groups a user is a member of, along with the group description

SELECT Groups.Group\_name, Groups.Description

FROM Groups

JOIN in1 ON Groups.Group\_id = in1.Group\_id

WHERE in1.User\_id = 13;

--29. Find all messages sent between two users, sorted by timestamp

SELECT \*

FROM Message

WHERE (Sendby\_user = 5 AND Receivedby\_user = 22)

ORDER BY Message\_timestamp;

--30. Get the most recent message sent to a specific group

SELECT Message\_timestamp,content

FROM Message

WHERE Receivedby\_grp = 5044

ORDER BY Message\_timestamp DESC

LIMIT 1;

--31. Get all groups with their respective messages and senders

SELECT GROUPS.Group\_id, GROUPS.Group\_name, message.Content, message.Message\_timestamp, users.fname,users.lname

FROM Groups

JOIN Message ON Groups.Group\_id = message.Receivedby\_grp

JOIN Users ON message.Sendby\_user = users.User\_id;

--32. Get all collections created after a certain date along with the number of posts saved in each collection

SELECT collection.Collection\_name, collection.Creation\_date, COUNT(saved\_as.Post\_id)

AS Num\_of\_Posts

FROM Collection

LEFT JOIN saved\_as ON collection.Collection\_name = saved\_as.Collection\_name

GROUP BY collection.Collection\_name, collection.Creation\_date

HAVING collection.Creation\_date > '2016-07-10'

ORDER BY collection.Creation\_date;

--33. Get all posts saved in a specific collection with their details.

SELECT post.\*

FROM Post

JOIN saved\_as ON post.Post\_id = saved\_as.Post\_id

JOIN Collection ON saved\_as.Collection\_name = collection.Collection\_name

WHERE Collection.Collection\_name = 'Travel';