Write SQL Query to get below mention data from SocialApp MySQL Database

1. Write a query to get connection of 'a' (solved using subqueries)

```
1    select UserName as connections_with_a from UserProfile

2    where UserProfileID in (select UserTwo from UserConnections

3                                where UserOne = ( select UserProfileID from UserProfile

4                                        where UserName = 'a')

5                        and ISConnection = 1

6    );
```

2. Write a query to get connection of 'a' (solved using join)

```
7    select UserName as connections_with_a from UserProfile as u

8    inner join UserConnections as uc

9    on (u.UserProfileID = uc.UserTwo

10       and UserOne = (select UserPRofileID from UserProfile where UserName = 'a')

11       and ISConnection = 1);
```

3. Write a query to retreive all the followers of 'a'
- *Note: - followers includes connections + only followers.*

```
12   select UserName from UserProfile as u

13   inner join UserConnections as uc

14   on (u.UserProfileID = uc.UserTwo

15   and UserOne = (select UserProfileID from UserProfile where UserName = 'a')

16   and (ISConnection = 1 or ISFollower = 1));
```

4. Display the total likes for the posts posted by 'a'

```
17   select count(*) as 'Likes for post by a' from PostLike

18   where PostID = (select UserProfileID from UserProfile where username = 'a');
```

5. Display the PostID and Likes count for the posts posted by 'a'

19   select PostID, count(*) as 'Likes for post by a' from PostLike

20   where PostID = (select UserProfileID from UserProfile where username = 'a');

6. Display the name of the user with maximum post likes.
      - (give name for derived table using AS)

21   select UserName from UserProfile as u

22   inner join Post as p

23   on (u.UserProfileID = p.PostedBy

24   and PostID = (select PostID from

25   (select PostID, max(mycount) from

26   (select PostID, count(PostID) as mycount from PostLike) as pi_cnt) as pi_max));

7. Display the users with maximum posts.

27   select UserName from UserProfile as u

28   inner join Post as p

29   on (u.UserProfileID = p.PostedBy

30   and PostedBy = (select PostedBy from

31   (select PostedBy, max(mycount) from

32   (select Postedby, count(PostedBy) as mycount from Post) as po_cnt) as po_max));