1. What should be done to make users pair insertion unique i.e. to avoid duplicate user relationship creation?

Ans:

The below columns have to set as primary keys.

user\_one\_id,

user\_two\_id

status

1. What will be the insert query to insert a new Friend request sent by user 1 to user 2 ?

Ans:

insert into relationship (user\_one\_id, usertwo\_id, status, action\_user\_id)

values (1 , 2, 0, 1)

1. What will be the query to update the status of the friend request i.e. accepting friend request sent to user 2 by user 1 ?

Ans:

update relationship set status = 1

where usertwo\_id = 2 and user\_one\_id = 1 and status = 0

1. What will be the query to check if any two users are friends ?

Ans:

select count(\*) from relationship

where usertwo\_id = 1 and user\_one\_id = 2 and status = 1

1. What will be the query to retrieve all the users’ friends? Here user 1 is the logged in user.

Ans:

select username from users where user\_id in

(select usertwo\_id from relationship

where userone\_id = 1 and status = 1)

1. What will be query to get the entire pending user request for the user from other users ? Here user 1 is logged in.

Ans:

select \* from relationship

where action\_user\_id = 1 and status = 0

1. What will be the query to retrieve the friend request status when the logged in user visits the profile of another user ? Here, user 1 is the logged in user. User 1 visits the profile of user 7.

Ans:

select max(status) from relationship

where usertwo\_id = 1 and user\_one\_id = 7