**Indian Institute of Information Technology Vadodara**

**CS262: Database Management System**

**Lab 5**

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1.) You have already created the E-R diagram of the following database,

MyFacebook

**User**: User\_ID (unique for each user), User\_Name, User\_Email, User\_Join\_date, User\_City\_Name, User\_City\_Country,

**Friend** Friend\_ID (a user may have zero or more friends), Friend\_Since,

Friend\_Message\_IN\_Count, Friend\_Message\_Out\_count,

**Post** Post\_ID, Post\_TimeStamp, Post\_Text, Post\_Attachemnt\_ID (can be multiple), Post\_Attachemnt\_Text, Post\_Attachemnt\_Type (JPEG, MP3, MP4),

Post\_Attachemnt\_Data, Post\_User\_ID (a user can have multiple), Post\_Like\_User\_ID (can be multiple user liking a post), Post\_Comment\_ID (can be multiple comments for a post), Post\_Comment\_User\_ID (can be multiple users commenting on a post), Post\_Comment\_Text, Post\_Comment\_TimeStamp (can be multiple users commenting on), Post\_Comment\_Like\_UserID (can be multiple users commenting on), Post\_Comment\_Reply\_ID (can be multiple replies to a comment),

Post\_Comment\_Reply\_UserID, Post\_Comment\_Reply\_Addressed\_to\_UserID,

Post\_Comment\_Reply\_Text, Post\_Comment\_Reply\_Time,

Post\_Comment\_Reply\_Like\_UserID (can be multiple users commenting on)

In this lab create the database for this E-R diagram in the MySQL (take care of any integrity constraint). After creating the database insert some entries in the database. Then write the sql queries for the following listings,

* List the user having an email id.

* List all the users from a given city

* Find total number of users joined on a given date.

* List all the friends of a given user

* List total number of friends of a given user

* Find the total number of message in of a given user

* Find the total number of message out of a given user

* List all the post done by a given user’s friend

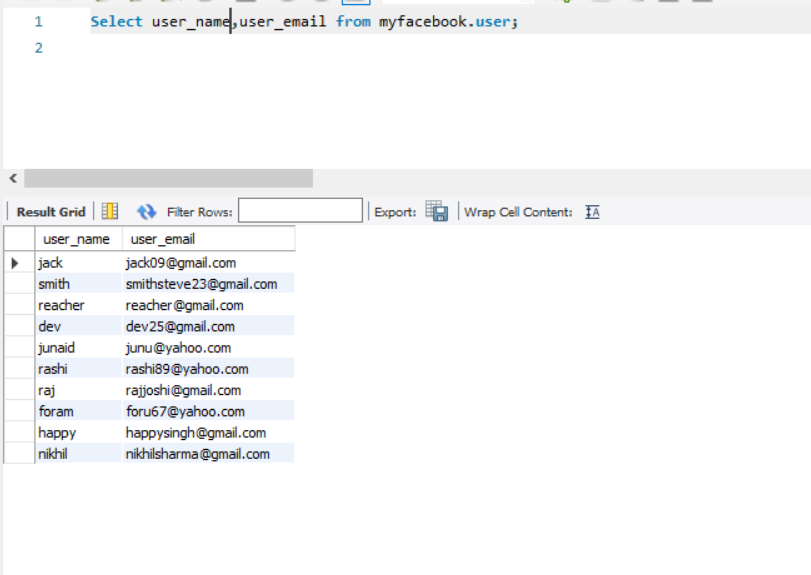
* List all the post where a given user commented

* List all the post where a given user commented but his given friend not commented

* Find total number of likes in a given post

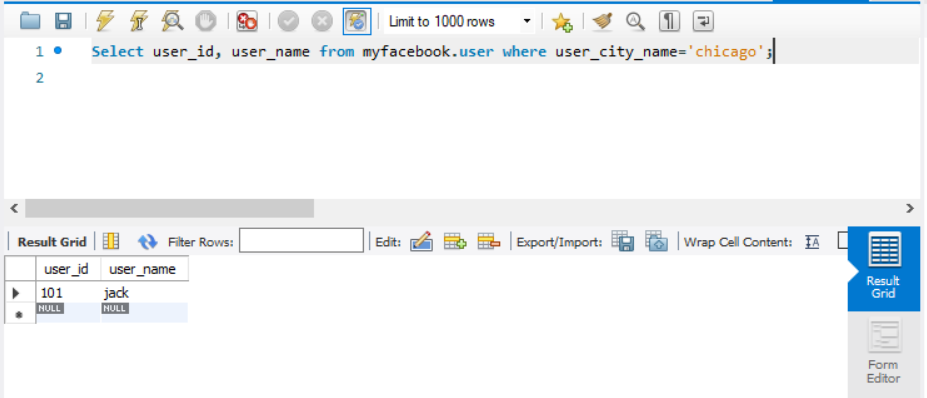
* Find the post with maximum likes

1. List the user having an email id:-



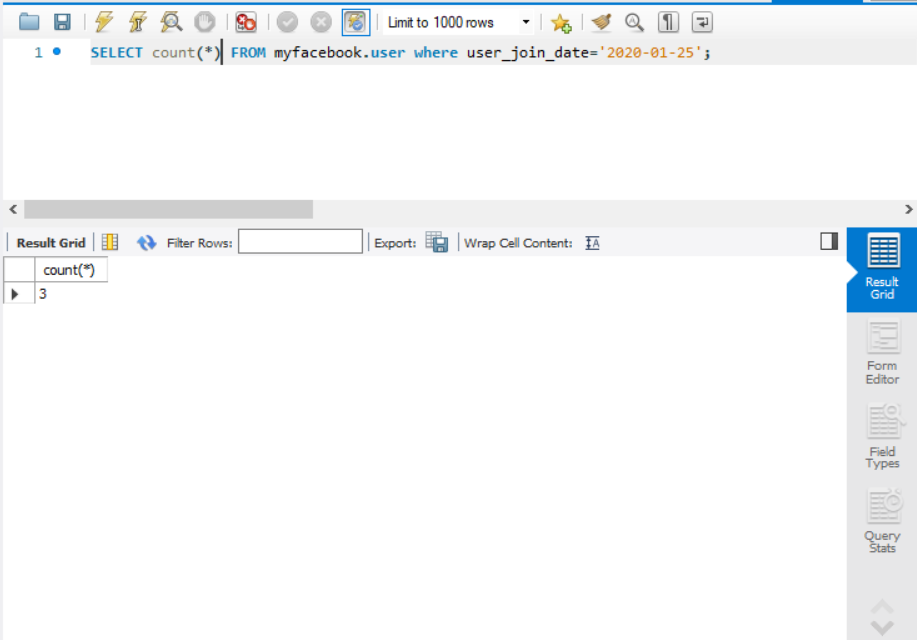
1. List all the users from a given city:-

* City name is chicago:



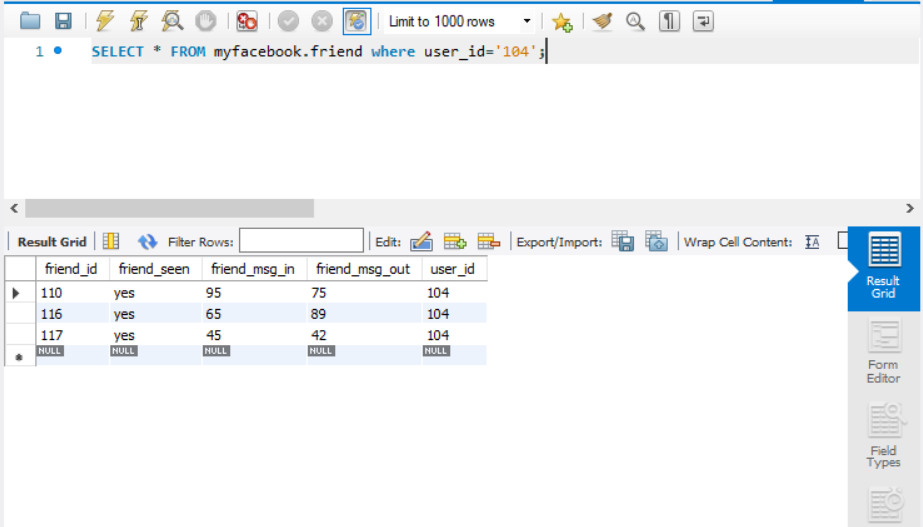
1. Find total number of users joined on a given date:-

Date: 2020-01-25



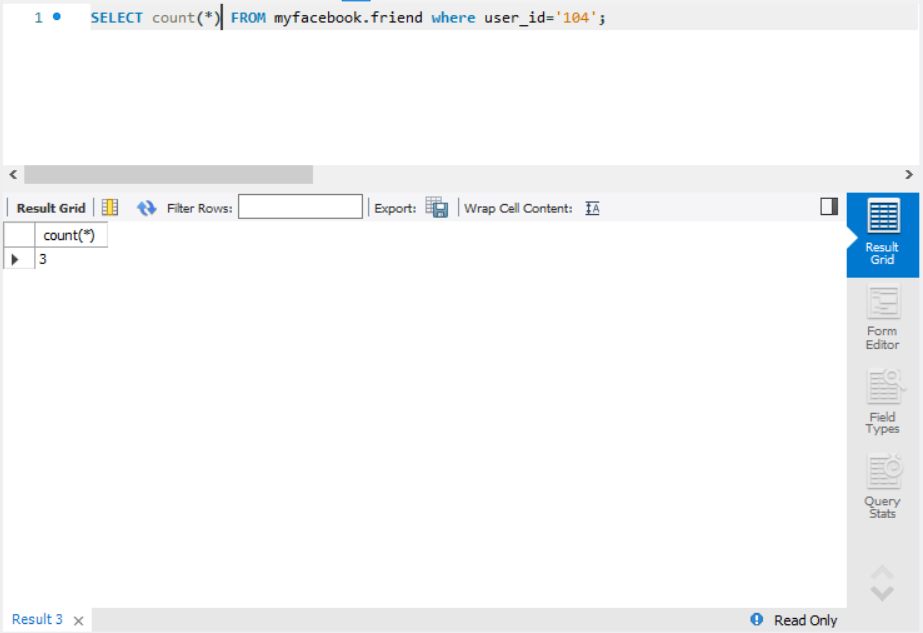
1. List all the friends of a given user:

Given user\_id is ‘104’



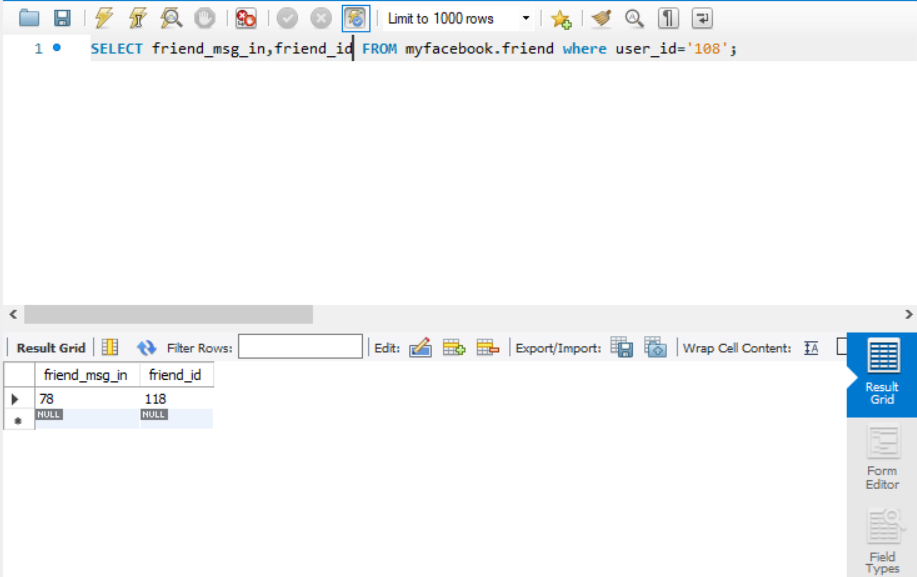
1. List total number of friends of a given user:

Given user id is ‘104’



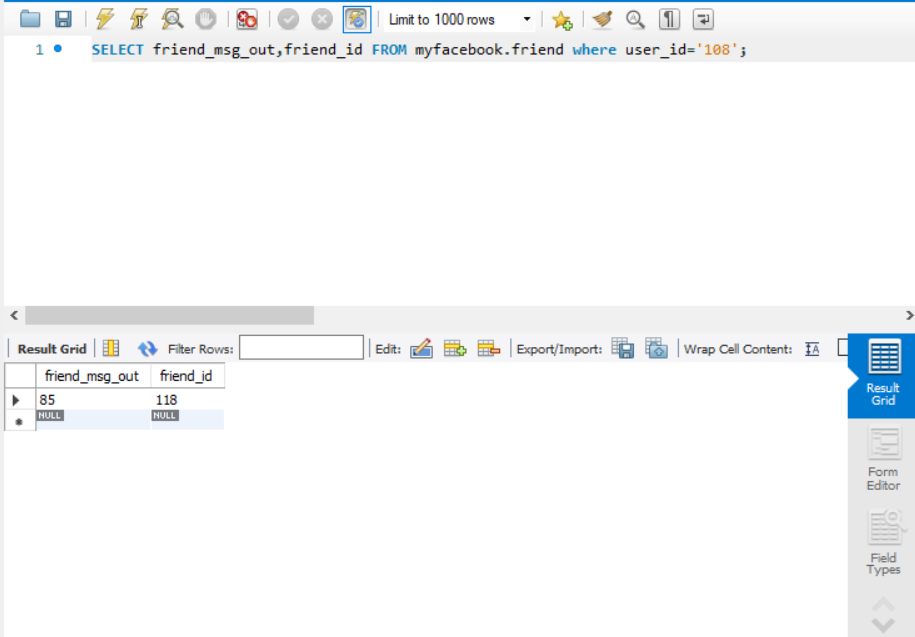
1. Find total number of message in of a given user:

User\_id= 108



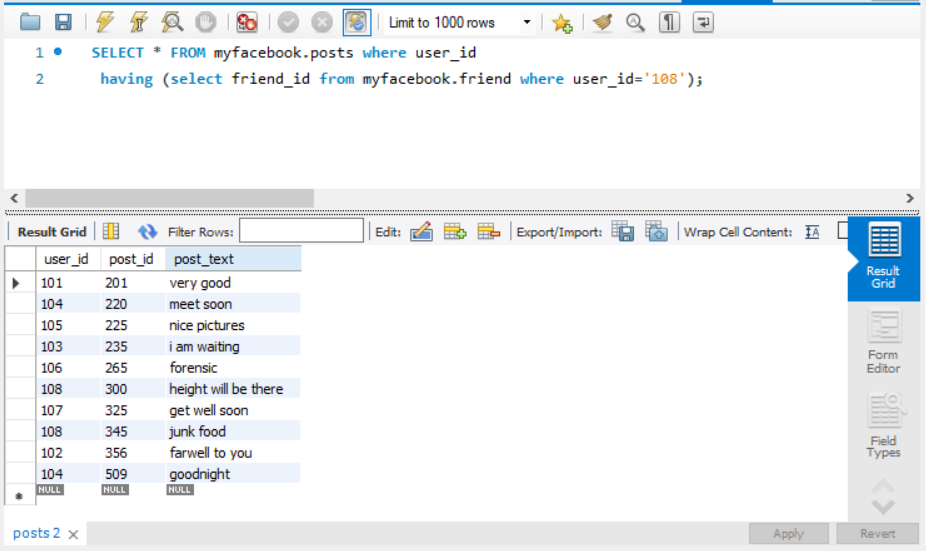
1. Find total number of message out of a given user:

User\_id= 108



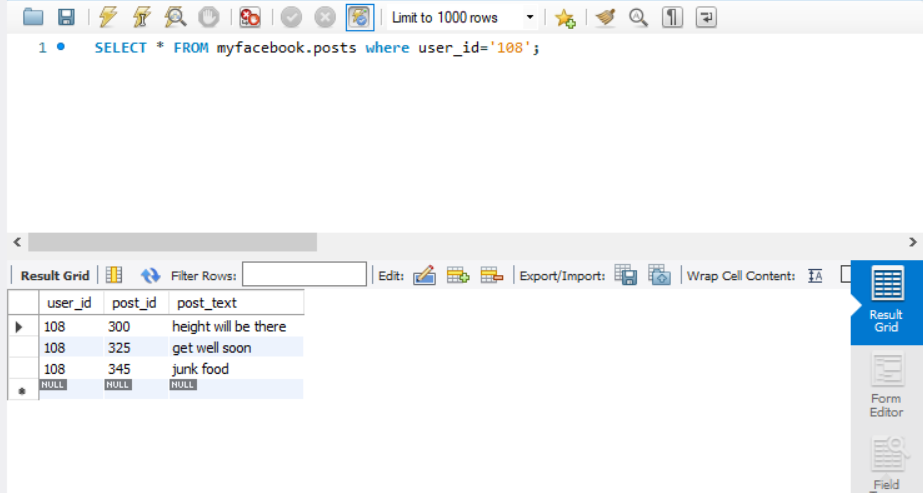
1. List all the post done by a given user’s friend:-

User id is 108:



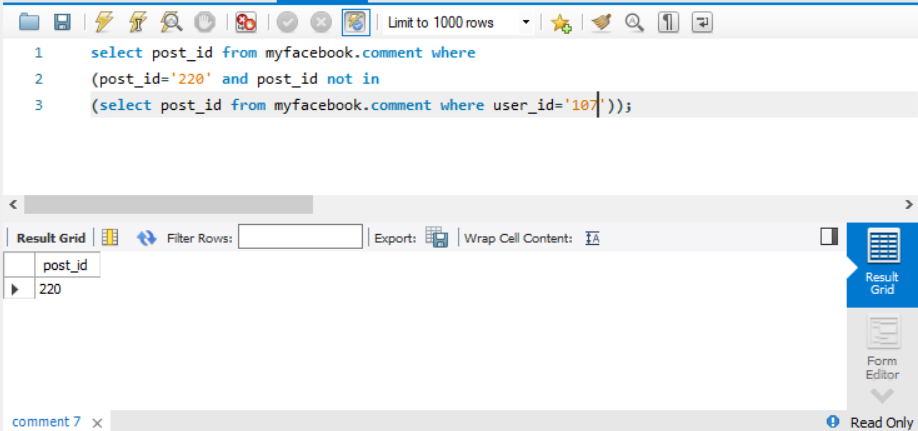
1. List all the post where a given user commented:

Given user id= 108



1. List all the post where a given user commented but his given friend not commented:

User id is 108:



1. Find total number of likes in a given post:

Post id = 101

