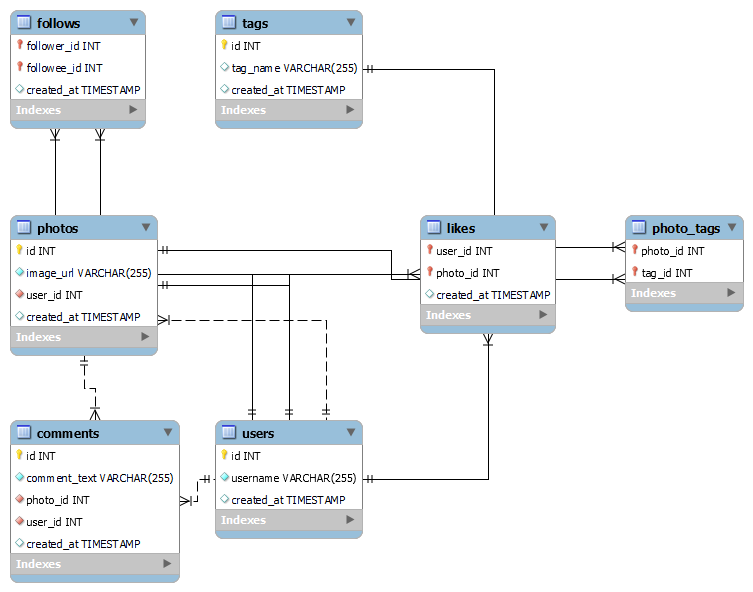
**Assignment 2 Mandatory Project**

**1. Create an ER diagram or draw a schema for the given database.**

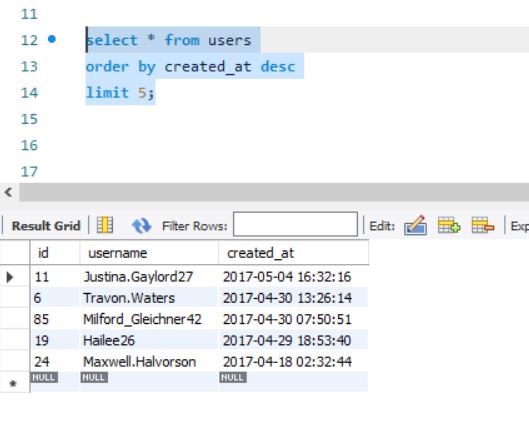


**2. We want to reward the user who has been around the longest, Find the 5 oldest users.**

**Query** Select \* from users

order by created\_at desc

limit 5;



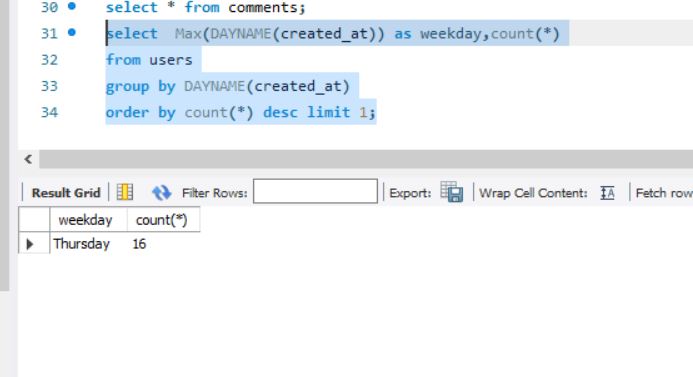
**3. To understand when to run the ad campaign, figure out the day of the week most users register on?**

Query - select Max(DAYNAME(created\_at)) as weekday,count(\*)

from users

group by DAYNAME(created\_at)

order by count(\*) desc limit 1;

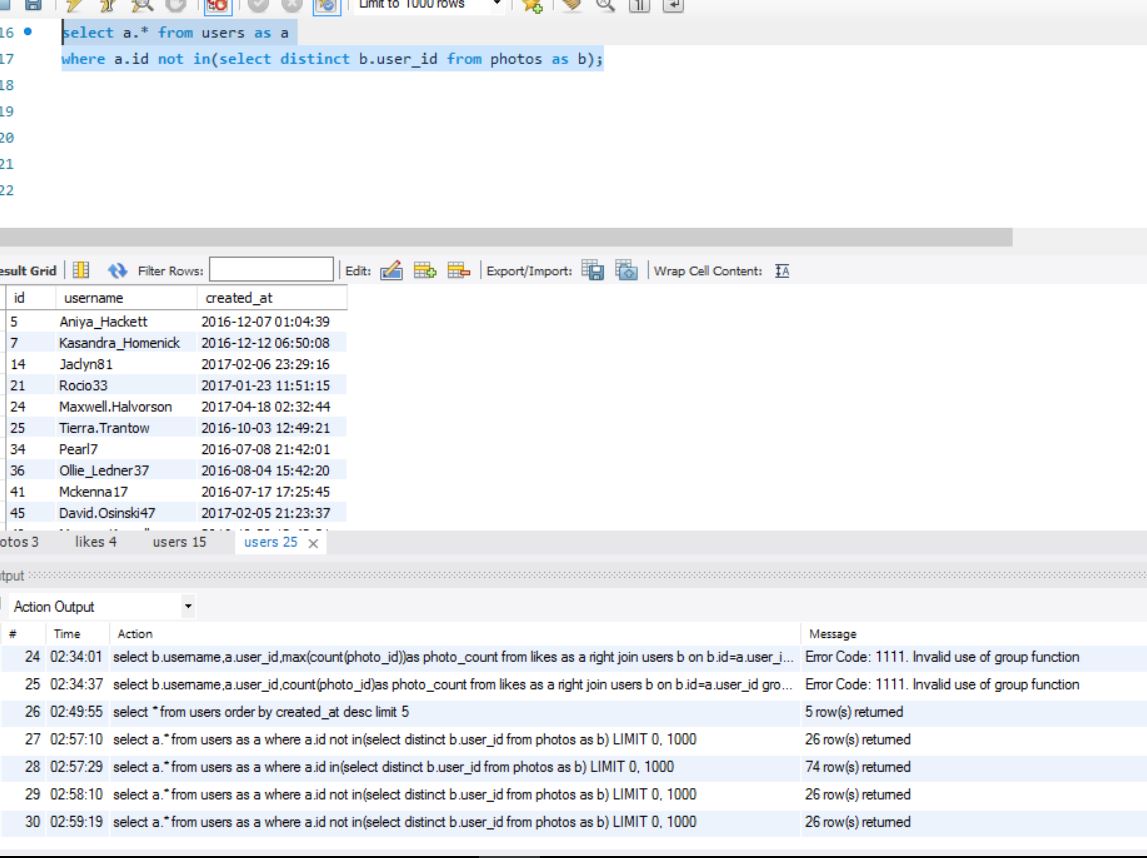


**4. To target inactive users in an email ad campaign, find the users who have never posted a photo.**

Query - select a.\* from users as a

where a.id not in(select distinct b.user\_id from photos as b);

Output – 26 Rows

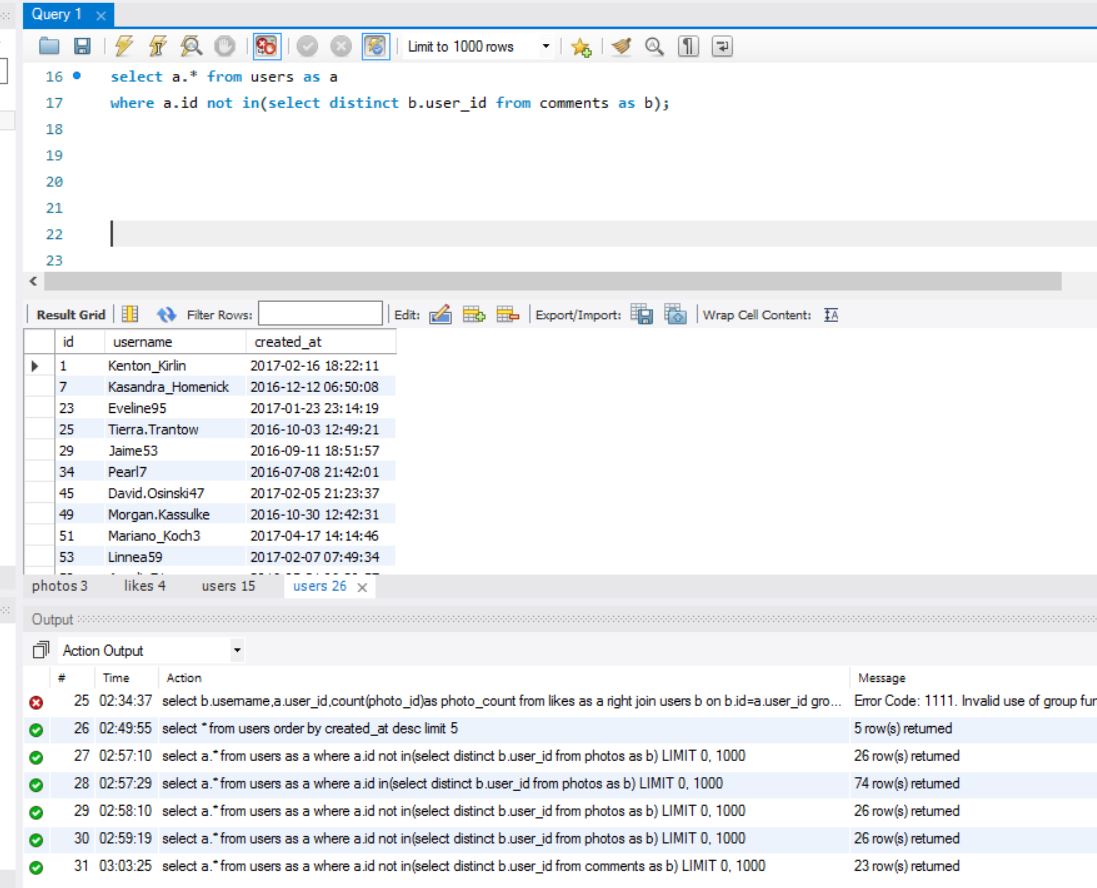


**9. To know who the celebrities are, find users who have never commented on a photo.**

Query - select a.\* from users as a

where a.id not in(select distinct b.user\_id from comments as b);

Output -23 rows



**5. Suppose you are running a contest to find out who got the most likes on a photo. Find out who won?**

Query - select photos.user\_id,users.username,

photo\_likes.like\_count from photos

inner join(select photo\_id,count(\*)as like\_count from likes group by photo\_id)as photo\_likes

inner join users

on users.id=photos.user\_id

order by like\_count desc limit 1;

