

INSTAGRAM ANALYTICS

<u>PROJECT DESCRIPTION-</u> This project is based on user interaction and engagement with the Instagram social networking site. Based on the data provided we are supposed to get useful insights that can help the company grow. Data comprised of 7 different tables that contain information about the user's login, photo uploads, tags used, comments etc.

The main purpose of this project is to provide useful insights that can help managers make the right decisions for the company's betterment.

<u>APPROACH=</u> My analysis started by studying the data properly and thoroughly which includes understanding which table contains what information and details about primary key and foreign key which later helped me to answer the questions.

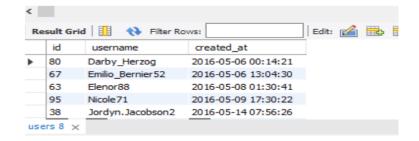
SOFTWARE USED- SQL Workbench

Question- 1 Identify the five oldest users on Instagram from the provided database.

.

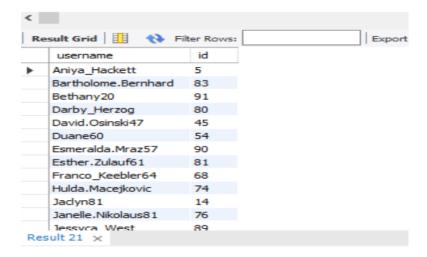


.

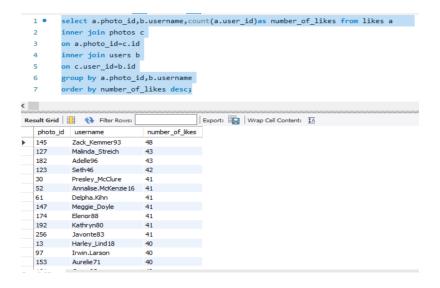


Quesiton: Identify users who have never posted a single photo on Instagram.

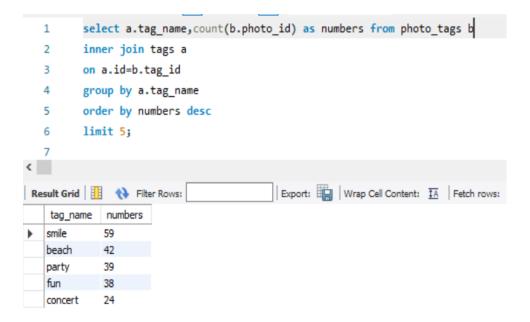
```
select a.username,a.id from users a
left join photos b
on a.id=b.user_id
where b.image_url is null
order by a.username
```



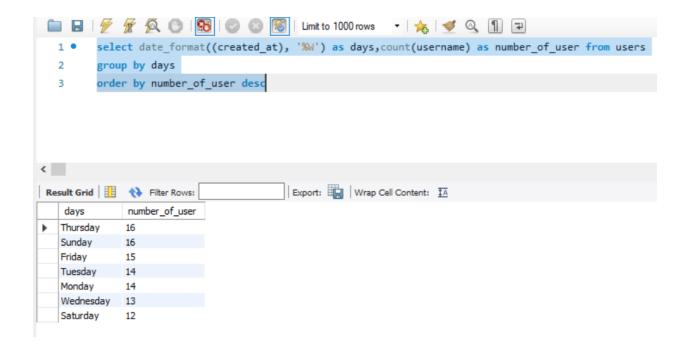
Question: Determine the winner of the contest and provide their details to the team.(Max Likes)



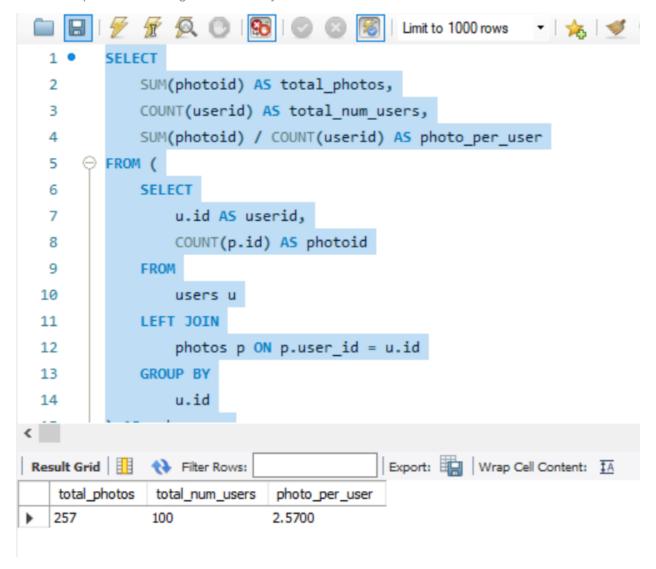
Question: Identify and suggest the top five most commonly used hashtags on the platform.



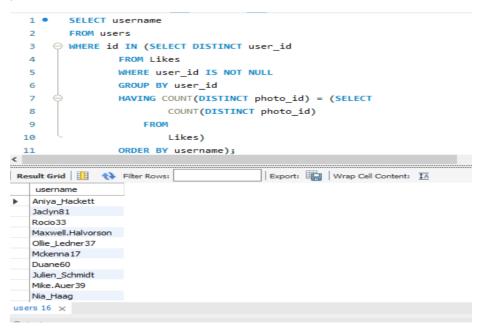
Your Task: Determine the day of the week when most users register on Instagram. Provide insights on when to schedule an ad campaign.



Your Task: Calculate the average number of posts per user on Instagram. Also, provide the total number of photos on Instagram divided by the total number of users.



Identify users (potential bots) who have liked every single photo on the site, as this is not typically possible for a normal user.



Insights-

- a. We have data of 100 users.
- b. Total photos uploaded 257.
- c. First user who signed up was Darby Herzog.
- d. Out of all the photos uploaded Zack kemmer got most likes on his photo.
- e. Smile is most used hashtag.
- f. Mostly people registered on Thursday

I learnt and was able to apply my learnings to solve the queries. I got my doubts cleared about sub queries and joins and now I am in a much better position to use them as and when it is required.