**Project Description:** Your role involves analysing user interactions and engagement with the Instagram app to provide valuable insights that can help the business grow. My role is to analyse user interactions and engagement with the Instagram app to provide valuable insights that can help the business grow. I will be using SQL and MySQL Workbench as your tool to analyse Instagram user data and answer questions posed by the management team.

**Approach:** Firstly, I try to understand the data provided in the database like no. of tables, column names and the relationship between them. Then I started understanding the questions asked and run the suitable queries in MySQL which I've learnt, to get the possible outcomes.

**Tech-Stack Used:** I've used MySQL Workbench 8.0 CE to get the desired results by querying the data present on the database. I've used this because MySQL is one of the most used database management software and is user friendly.

Insights: Below are the insights and the answers of the questions asked by the team

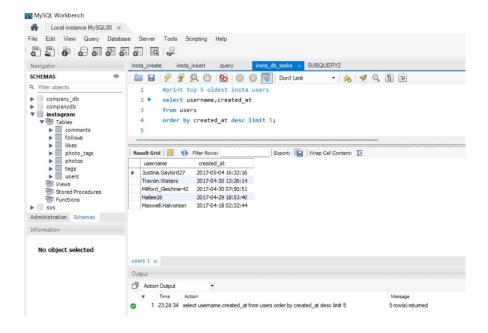
#### Tasks:

## A) Marketing Analysis:

1. Loyal User Reward:

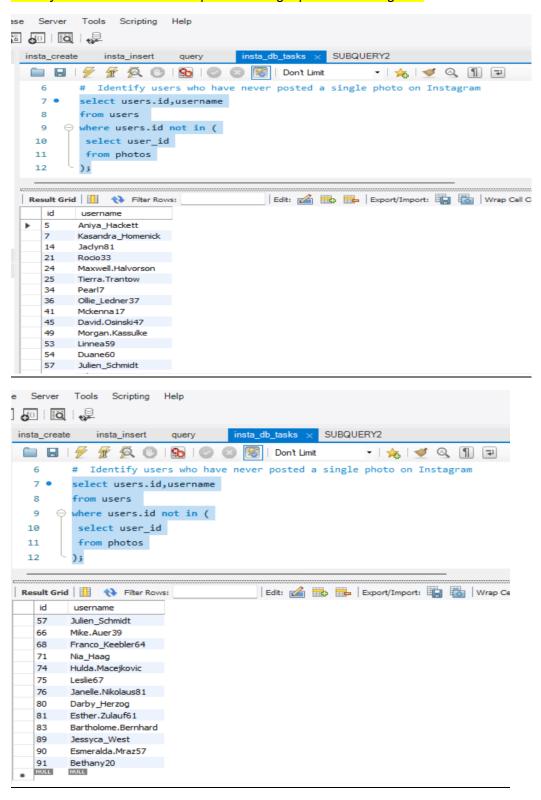
Identify the five oldest users on Instagram from the provided database.

Here's how I achieved this:



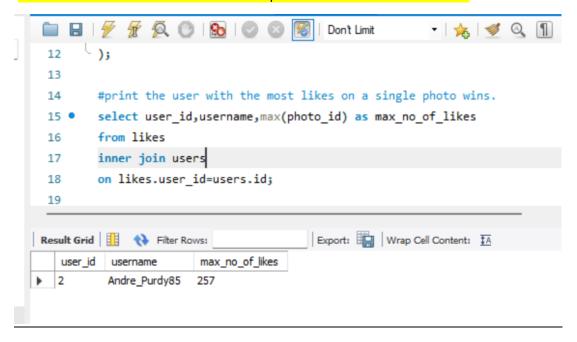
#### 2. Inactive User Engagement:

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



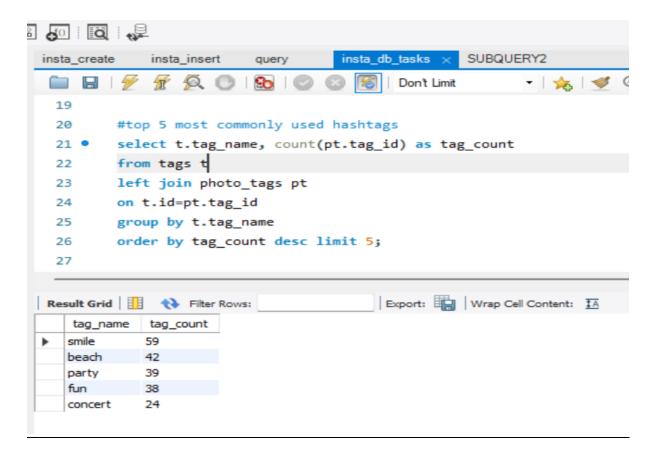
## 3. Contest Winner Declaration:

Determine the winner of the contest and provide their details to the team.



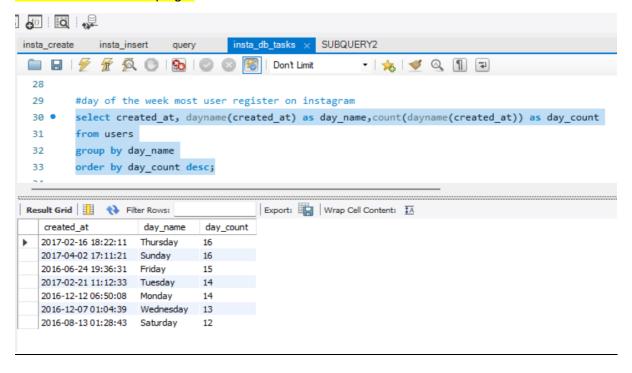
## 4. Hashtag Research:

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



## 5. Ad Campaign Launch:

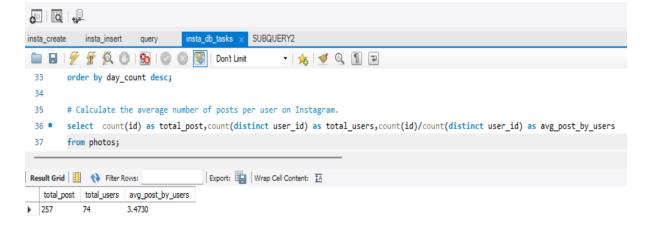
Determine the day of the week when most users register on Instagram. Provide insights on when to schedule an ad campaign.



### B) Investor Metrics:

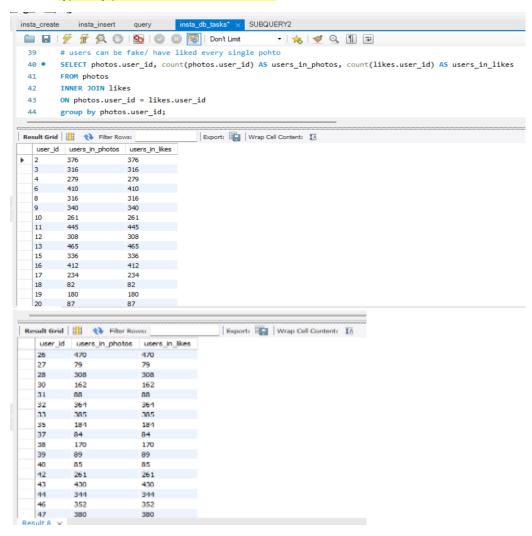
#### 1. <u>User Engagement:</u>

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.

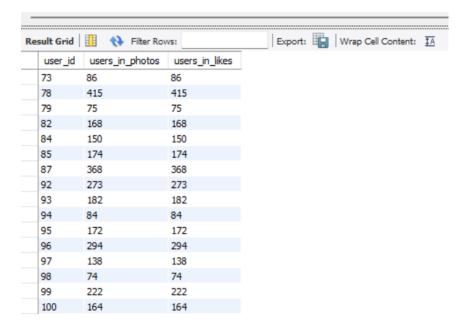


#### 2. Bots & Fake Accounts:

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







# Results:

The results of the queries asked in my tasks are above and I've got many useful insights which will help the Instagram to take future actions and receive the benefits from it.

I learnt how to use MySQL queries to get the insights I want from the data from a real project.