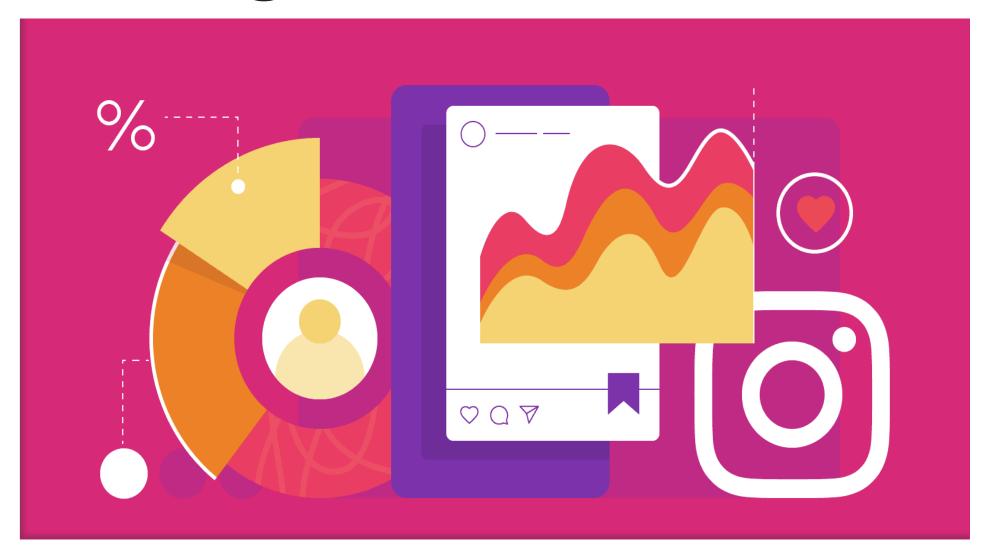
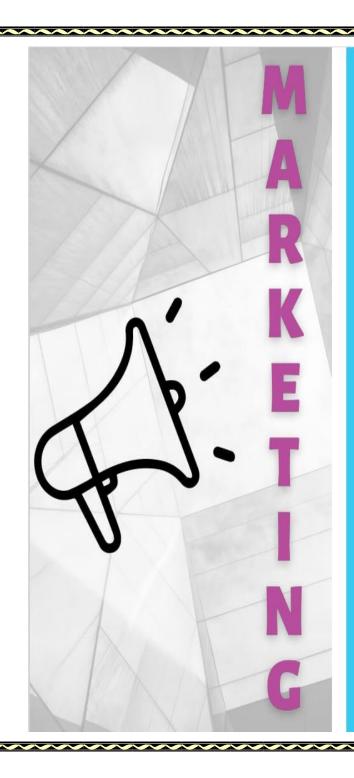
## Instagram User Analytics



A) Marketing Analysis:

B) Investor Metrics:



01 REWARDING MOST LOYAL USERS

Find the 5 oldest users of the Instagram from the database provided

02 REMIND INACTIVE USERS TO START POSTING

Find the users who have never posted a single photo on Instagram

03 DECLARING CONTEST WINNER

Identify the winner of the contest and provide their details to the team

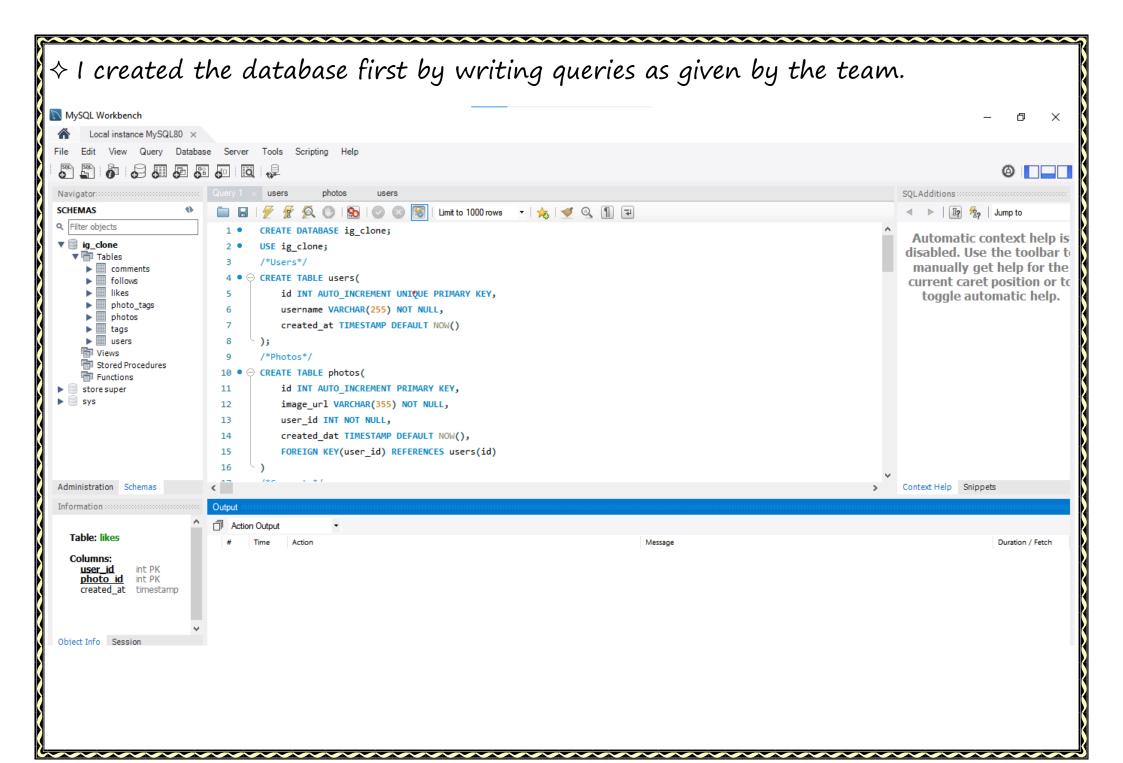
04 HASHTAG RESEARCHING

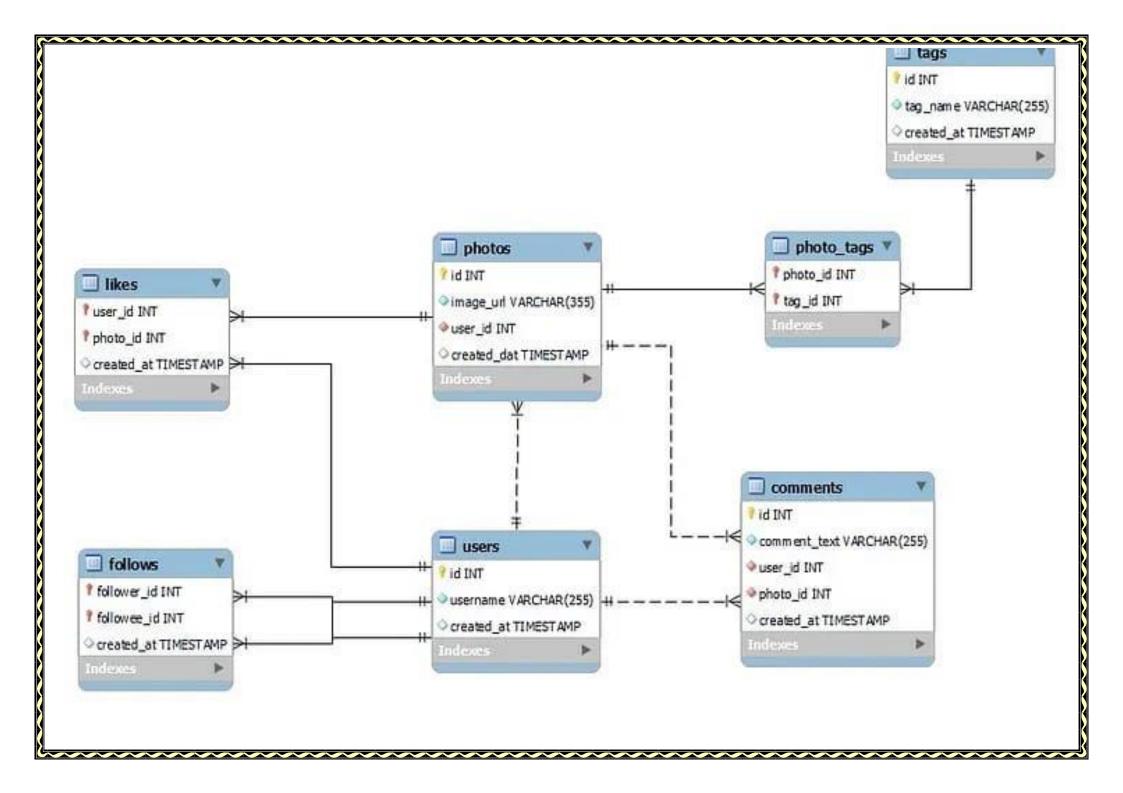
Identify and suggest the top 5 most commonly used hashtags on the platform

05 LAUNCH AD CAMPAIGN

What day of the week do most users register on? Provide insights on when to schedule an ad campaign

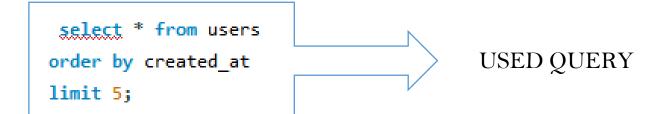


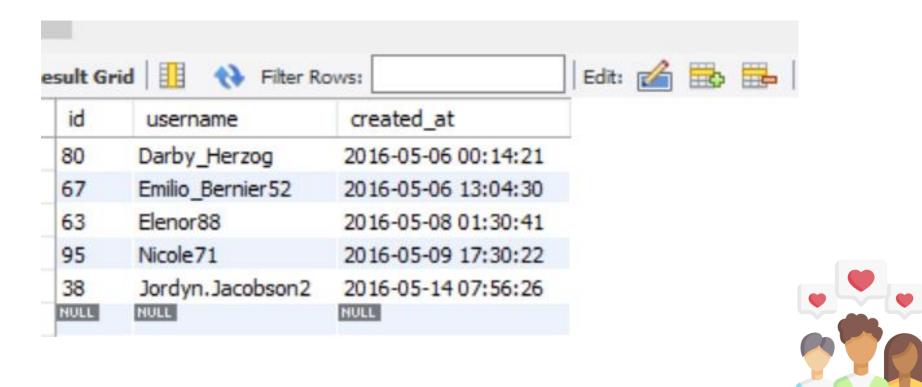




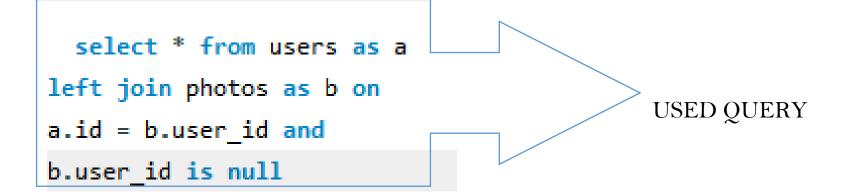
## A) Marketing Analysis:

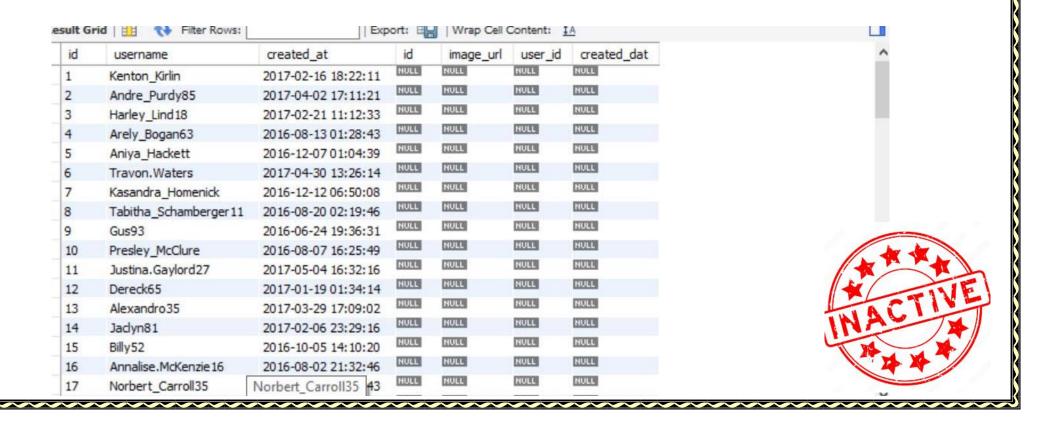
1. Loyal User Reward:- Identify the five oldest users on Instagram from the provided database.



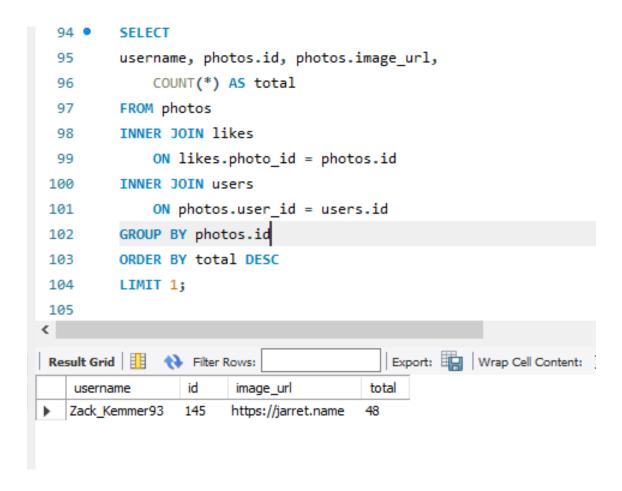


2.Inactive User Engagement: - Identify users who have never posted a single photo on Instagram.



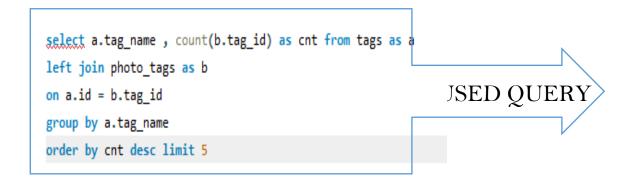


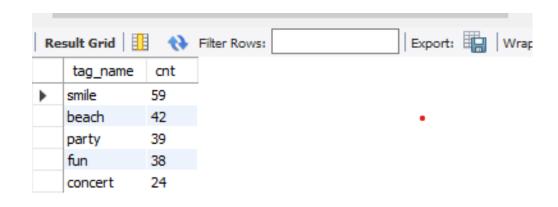
3. Contest Winner Declaration: Determine the winner of the contest and provide their details to the team.





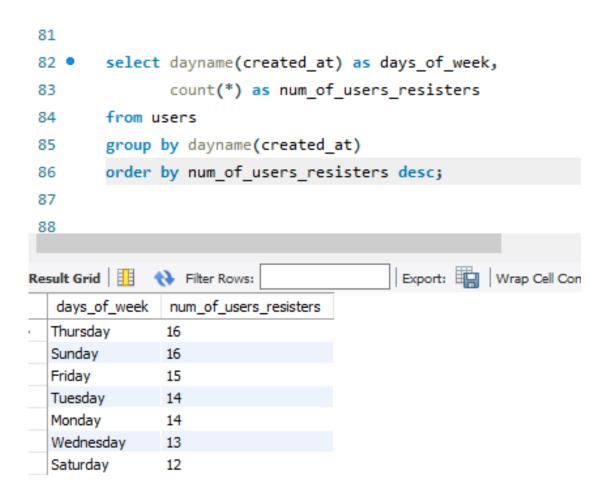
**4.Hashtag Research:**-Identify and suggest the top five most commonly used hashtags on the platform.





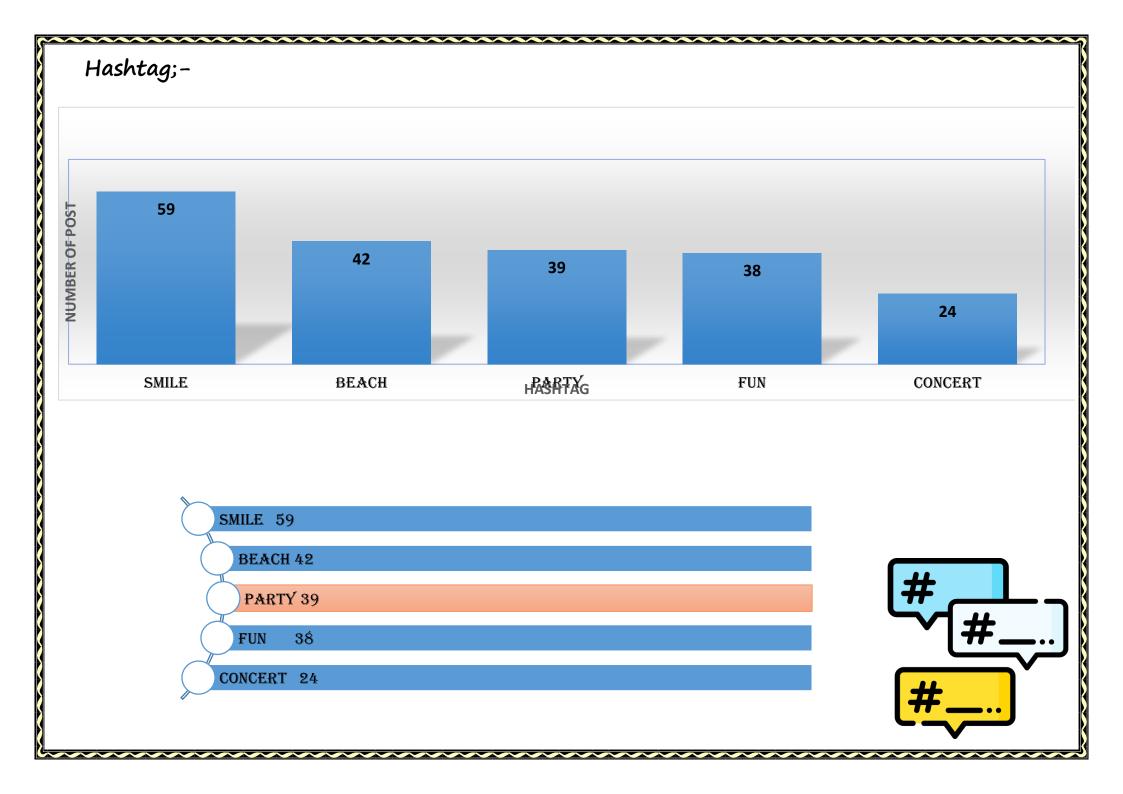


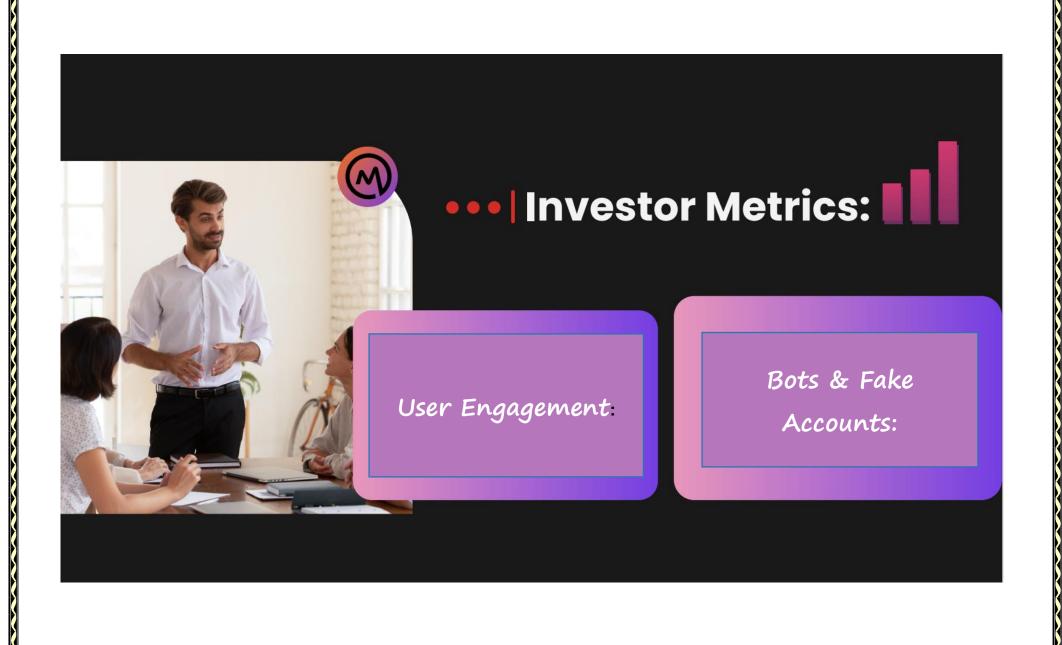
**5.Ad Campaign Launch;** - Determine the day of the week when most users register on Instagram. Provide insights on when to schedule an ad campaign.



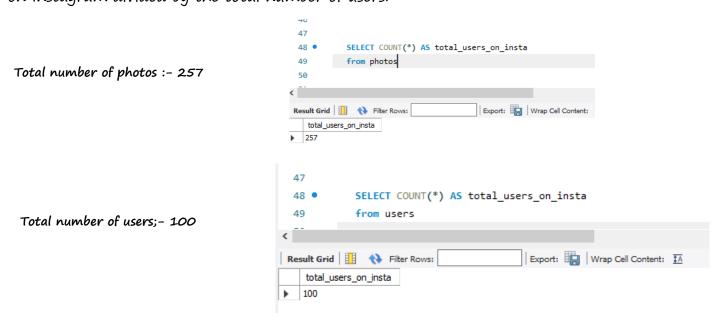




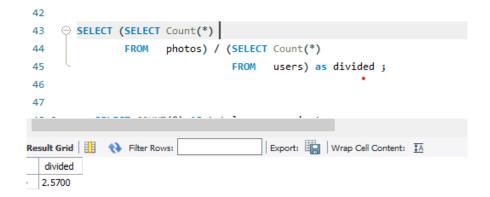




1 User Engagement: -Calculate the average number of posts per user on Instagram. Also, provide the total number of photos on Instagram divided by the total number of users.



Total the total number of photos on Instagram divided by the total number of users.; - 2.57





## Calculate the average number of posts per user on Instagram.

```
select user_id, count(*) as posts_count from photos
 57
  58
        group by user_id
        order by posts count desc;
 59
  60
        SELECT avg(posts_count) as avg_posts_per_user

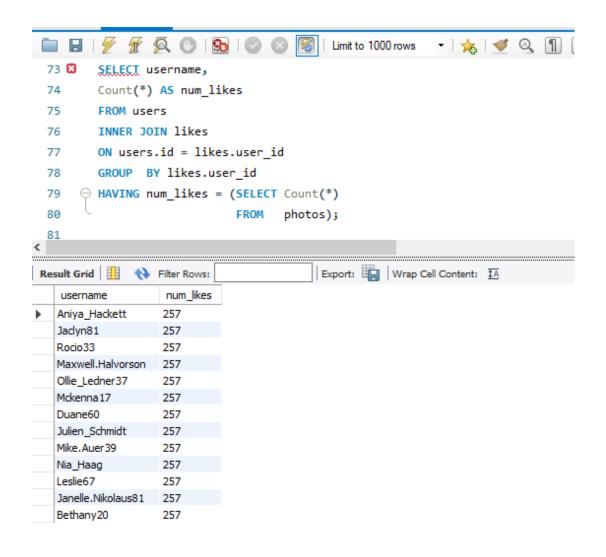
⊖ FROM (
  62
 63
        select user_id, count(*) as posts_count from photos
        group by user_id
  64
        order by posts_count desc) as user_posts;
  65
Export: Wrap Cell Content: IA
   avg_posts_per_user
3.4730
```

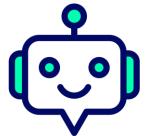






2. **Bots & Fake Accounts:-**Identify users (potential bots) who have liked every single photo on the site, as this is not typically possible for a normal user.







## RESULT

- The Instagram user analytics project provided insights on marketing, User engagements, Bots and Fake accounts. Now these insight can be used by Instagram product team to launch new campaigns, track users engagement and improve user experience.
- Here are the insights I found in these project
- Top 5 Oldest users of Instagram
- Users who never posted photos on Instagram
- Most liked photo on Instagram
- Top 5 most commonly used has-tags on Instagram
- 5. Total number of users on Instagram
- Total number of photos on Instagram
- 7. Average number of photos per user
- Bots and fake accounts on Instagram



