INSTAGRAM USER ANALYTICS

PROJECT DESCRIPTION: This project is all about the Instagram insights. I have converted the data of Instagram into meaningful data using some of the MySQL queries by performing the given tasks.

APPROACH: Firstly, I have reviewed the data given so that I can get an idea of it. I have gone through the tables to know which are primary keys and foreign keys so that I can connect the tables. I have mainly used grouping and sorting functions to complete the tasks.

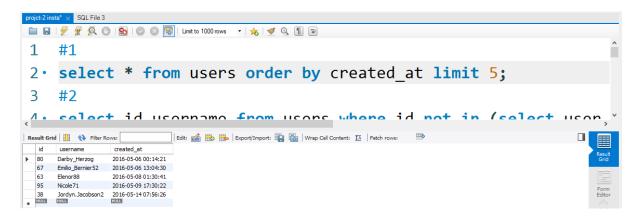
TECH-STACK USED: I have used MySQL workbench 8.0 CE as a database management tool. It provided a robust environment for designing and managing the data.

INSIGHTS: I have extracted valuable insights from the Instagram user analytics project, such as the oldest user on Instagram, and the most likes for a single photo. I also identified peak days for user engagement, helping optimize posting schedules for better reach.

RESULTS:

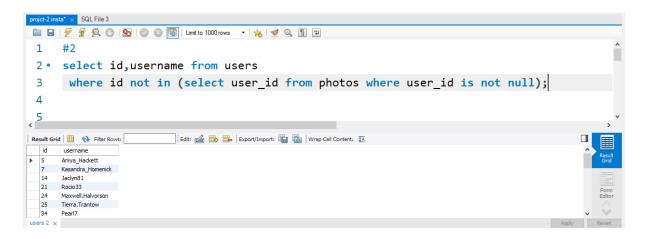
A) MARKETING ANALYSIS:

1) Loyal User Reward: Identify the five oldest users of Instagram from the database



Result: Darby_Herzog, Emilio_Bernier52, Elenor88, Nicole71, Jordyn.Jacobson2 these are the oldest users of Instagram.

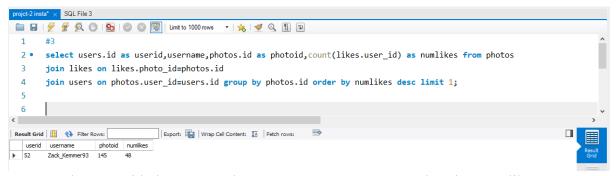
2) Inactive User Engagement: Identify users who never posted on Instagram.



Result: Below below-mentioned IDs and usernames have zero posts.

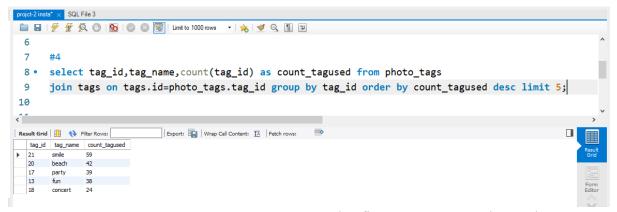
- id username
- 5 Aniya_Hackett
- 7 Kasandra_Homenick
- 14 Jaclyn81
- 21 Rocio33
- 24 Maxwell.Halvorson
- 25 Tierra.Trantow
- 34 Pearl7
- 36 Ollie_Ledner37
- 41 Mckenna17
- 45 David.Osinski47
- 49 Morgan.Kassulke
- 53 Linnea59
- 54 Duane60
- 57 Julien_Schmidt
- 66 Mike.Auer39
- 68 Franco_Keebler64
- 71 Nia_Haag
- 74 Hulda.Macejkovic
- 75 Leslie67
- 76 Janelle.Nikolaus81
- 80 Darby_Herzog
- 81 Esther.Zulauf61
- 83 Bartholome.Bernhard
- 89 Jessyca_West
- 90 Esmeralda.Mraz57
- 91 Bethany20

3) Context Winner Declaration: The user with the most likes on a single photo.



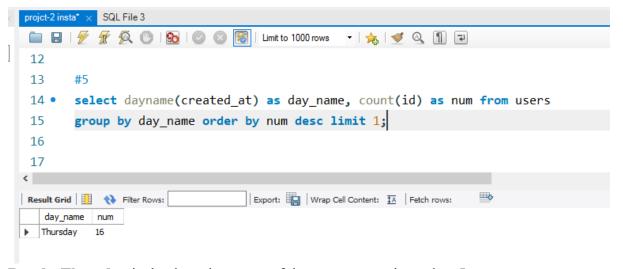
Result: The user with the **id-52** and username-**Zack_kemmer93** has the most likes on a single photo which has an id-**145**, and has **48** likes.

4) Hashtag Research: Top 5 most commonly used hashtags on Instagram.



Result: smile, beach, party, fun, concert are the five most commonly used hashtags on Instagram

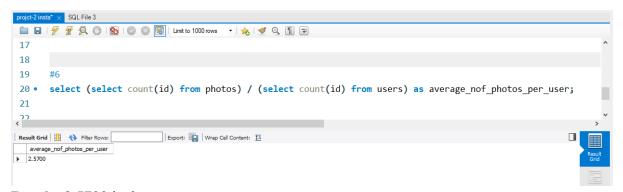
5) Ad Campaign Launch: Determine the day of the week when most users register on Instagram.



Result: Thursday is the day when most of the users got registered on Instagram.

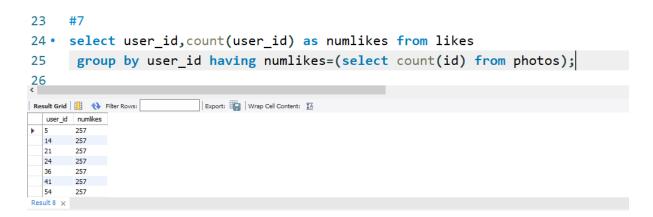
B) Investor metric:

1) User engagement: Provide the total number of photos on Instagram divided by total number of users on Instagram.



Result: 2.5700 is the average

2) Bots & Fake Account: Identify users who liked every single photo on Instagram



Result: Below provided user **IDs** are potential bots who have liked all photos on Instagram.

user_id	numlikes
5	257
14	257
21	257
24	257
36	257
41	257
54	257
57	257
66	257
71	257
75	257
76	257
91	