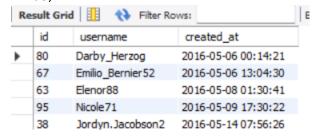
Instagram Database Clone

1. Find five oldest users

SELECT * FROM users ORDER BY created_at limit 5;

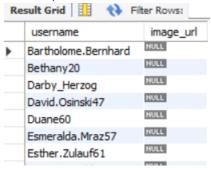


 What day of the week do users register on?
SELECT DAYNAME(created_at) AS day, COUNT(*) AS total FROM users GROUP BY day
ORDER BY total DESC LIMIT 2;

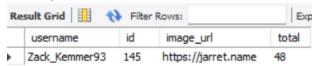


3. Identify inactive users with no photos?

SELECT username, image_url FROM users LEFT JOIN photos on users.id = photos.user_id WHERE photos.id IS NULL;

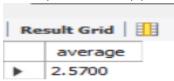


4. Find out highest no of like along with username, image_Url and photo_id SELECT username, photos.id, photos.image_url, COUNT(*) AS total FROM photos INNER JOIN likes ON likes.photo_id = photos.id INNER JOIN users ON photos.user_id = users.id GROUP BY photos.id ORDER BY total DESC LIMIT 1;



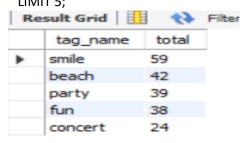
5. Calculate average number of photos per user?

SELECT(SELECT count(*) FROM photos) / (SELECT count(*) FROM users) as average;



6. What are the 5 most commonly used hasgtags?

SELECT tags.tag_name, count(*) AS total FROM photo_tags INNER JOIN tags ON photo_tags.tag_id = tags.id GROUP BY tags.id ORDER BY total DESC LIMIT 5;



7. Find users who have liked every single photos?

SELECT username, COUNT(*) AS num_likes FROM users INNER JOIN likes ON users.id = likes.user_id

GROUP BY likes.user_id

HAVING num_likes = (SELECT COUNT(*) FROM photos);

