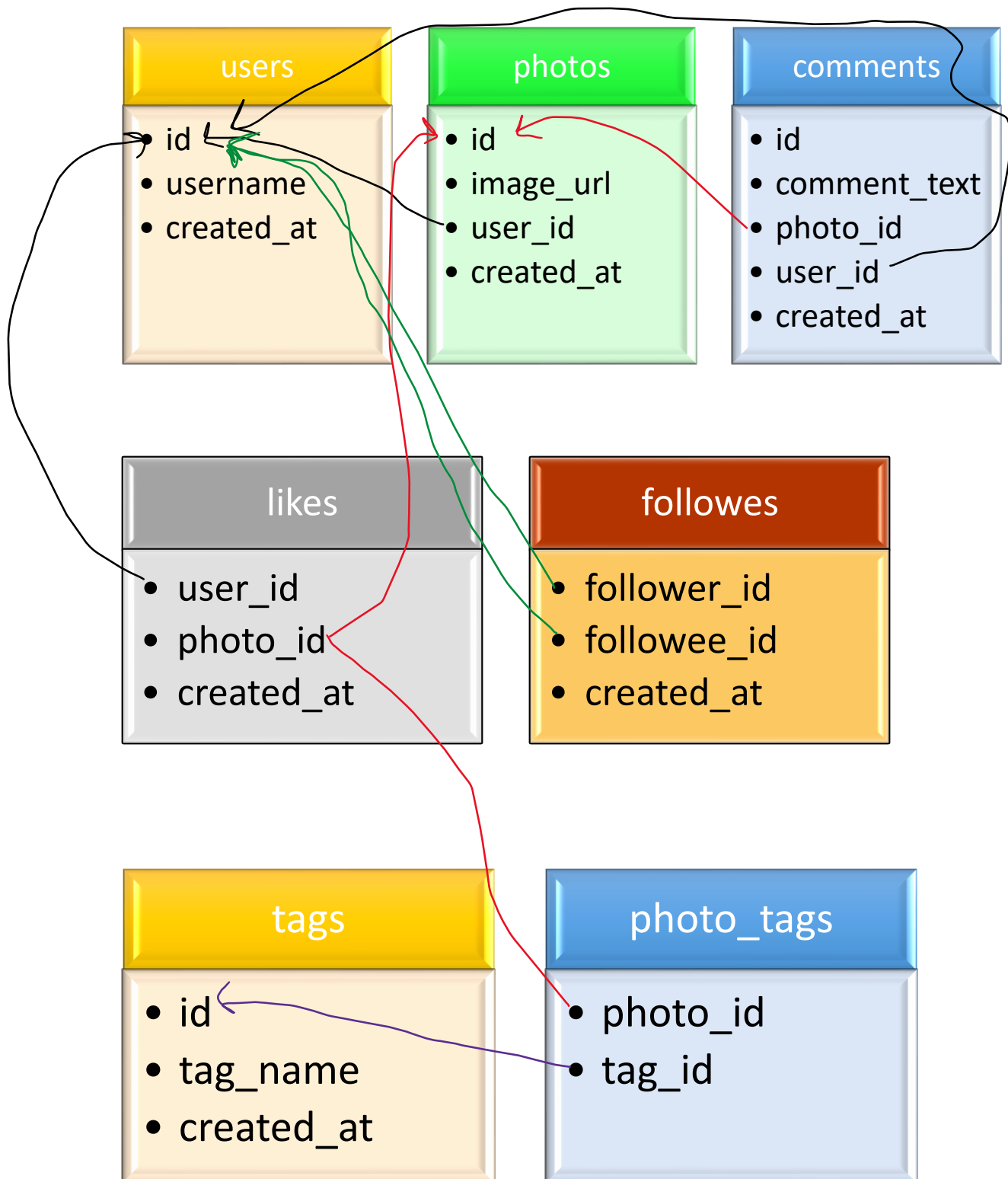


Question-1 as per the schema below for Instagram. Create a database named INSTAGARAM. Then create tables according to the below schema



SORRY FOR MY POOR QUALITY ARROWS BUT I HOPE THE WORK!

Descriptions of tables-

```
mysql> desc users;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
username	varchar(255)	NO	UNI	NULL	
created_at	timestamp	NO		CURRENT_TIMESTAMP	

3 rows in set (0.01 sec)

```
mysql> desc photos;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
image_url	varchar(255)	NO		NULL	
user_id	int(11)	NO	MUL	NULL	
created_at	timestamp	NO		CURRENT_TIMESTAMP	

4 rows in set (0.00 sec)

```
mysql> desc comments;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
comment_text	varchar(255)	NO		NULL	
photo_id	int(11)	NO	MUL	NULL	
user_id	int(11)	NO	MUL	NULL	
created_at	timestamp	NO		CURRENT_TIMESTAMP	

5 rows in set (0.00 sec)

```
mysql> desc likes;
```

Field	Type	Null	Key	Default	Extra
user_id	int(11)	NO	PRI	NULL	
photo_id	int(11)	NO	PRI	NULL	
created_at	timestamp	NO		CURRENT_TIMESTAMP	

3 rows in set (0.00 sec)

```
mysql> desc follows;
```

Field	Type	Null	Key	Default	Extra
follower_id	int(11)	NO	PRI	NULL	
followee_id	int(11)	NO	PRI	NULL	
created_at	timestamp	NO		CURRENT_TIMESTAMP	

3 rows in set (0.00 sec)

```
mysql> desc tags;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
tag_name	varchar(255)	YES	UNI	NULL	
created_at	timestamp	NO		CURRENT_TIMESTAMP	

3 rows in set (0.00 sec)

```
mysql> desc photo_tags;
```

Field	Type	Null	Key	Default	Extra
photo_id	int(11)	NO	PRI	NULL	
tag_id	int(11)	NO	PRI	NULL	

2 rows in set (0.00 sec)

Question-2 insert the data into above tables using my git hub repository. Repository name : **milestone-4-leanIn** & file name is **ig_clone_data**

Repository link:

<https://github.com/iamsakshii/milestone-4-leanIn.git>

File link for insertion:

https://github.com/iamsakshii/milestone-4-leanIn/blob/4f9c1895eb52c3fa81b370bf92124b3b51ce9c7c/ig_clone_data.sql

Question-3 perform the following tasks:

i. First Task:

We want to reward our users who have been around the longest.
Find the 5 oldest users.

ii. Second Task

What day of the week do most users register on?
We need to figure out when to schedule an ad campaign

iii. Third Task

We want to target our inactive users with an email campaign.
Find the users who have never posted a photo

iv. Fourth Task

We're running a new contest
to see who can get the most
likes on a single photo.

WHO WON??!!

v. Fifth Task

Our Investors want to know...

How many times does the
average user post?

vi. Sixth Task

A brand wants to know which
hashtags to use in a post

What are the top 5 most
commonly used hashtags?

vii. Seventh Task

We have a small problem with
bots on our site...

Find users who have liked
every single photo on the site

viii. Eighth Task

We also have a problem with
celebrities

Find users who have never
commented on a photo

ix. Final Task

MEGA CHALLENGE

Are we overrun with bots and
celebrity accounts?

Find the percentage of our users who
have either never commented on a
photo or have commented on every
photo