

1. Rewarding Most Loyal Userss

- select * from users order by created_at asc limit 5;

	id	username	created_at
▶	80	Darby_Herzog	2016-05-06 00:14:21
	67	Emilio_Bernier52	2016-05-06 13:04:30
	63	Elenor88	2016-05-08 01:30:41
	95	Nicole71	2016-05-09 17:30:22
	38	Jordyn.Jacobson2	2016-05-14 07:56:26
⌵	NULL	NULL	NULL

2. Remind Inactive Users To Start Posting

- select id,username from users where id not in (select user_id from photos);

	id	username
▶	5	Aniya_Hackett
	7	Kasandra_Homenick
	14	Jadyn81
	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

	id	username
	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
⌵	NULL	NULL

3. Declaring Contest Winner

- select photo_id,d.*, count(distinct b.user_id) as total_likes from likes as b join photos as c on b.photo_id=c.id join users as d on d.id=c.user_id group by photo_id order by total_likes desc limit 1;

	photo_id	id	username	created_at	total_likes
▶	145	52	Zack_Kemmer93	2017-01-01 05:58:22	48

4. Hashtag Researching

- select tag_name , count(photo_id) as total_hashtags from tags as t join photo_tags as pt on t.id=pt.tag_id group by tag_name order by total_hashtags desc limit 5;

	tag_name	total_hashtags
▶	smile	59
	beach	42
	party	39
	fun	38
	concert	24

5. Launch Ad Campaign

- select date_format(created_at, '%a') AS Day from users Group by date_format(created_at, '%a') ORDER By count(date_format(created_at, '%a')) DESC LIMIT 1 ;

6. User Engagement

- select count(id) as total_photos, count(distinct user_id) as total_users ,
(count(id)/count(distinct user_id)) as avg_user_posts from photos;

	total_photos	total_users	avg_user_posts
▶	257	74	3.4730

7. Bot And Fake Accounts

- select u.* ,l.user_id ,count(l.photo_id) as total_likes from likes as l left
join users as u ON u.id=l.user_id left join photos as p ON
p.id=l.photo_id group by l.user_id having (select count(id) from
photos) = total_likes order by total_likes desc;

	id	username	created_at	user_id	total_likes
▶	5	Aniya_Hackett	2016-12-07 01:04:39	5	257
	14	Jadlyn81	2017-02-06 23:29:16	14	257
	21	Rocio33	2017-01-23 11:51:15	21	257
	24	Maxwell.Halvorson	2017-04-18 02:32:44	24	257
	36	Ollie_Ledner37	2016-08-04 15:42:20	36	257
	41	Mckenna17	2016-07-17 17:25:45	41	257
	54	Duane60	2016-12-21 04:43:38	54	257
	57	Julien_Schmidt	2017-02-02 23:12:48	57	257
	66	Mike.Auer39	2016-07-01 17:36:15	66	257
	71	Nia_Haag	2016-05-14 15:38:50	71	257
	75	Leslie67	2016-09-21 05:14:01	75	257
	76	Janelle.Nikolaus81	2016-07-21 09:26:09	76	257
	91	Bethany20	2016-06-03 23:31:53	91	257