

Queries

- 1) Picture ids of pictures posted by user id "1".

```
SELECT photoid FROM photos WHERE userid = 1;
```

PHOTOID
1
2
9

- 2) Display captions of pictures posted by "2". Display 'No caption' if caption is not having any value.

```
SELECT NVL(caption, 'no caption') AS captions FROM  
photo_caption WHERE photoid IN (SELECT photoid FROM photos  
WHERE userid = 2);
```

CAPTIONS
Nature att its best
no caption

3) Which pictures (picture ids) and by which users (user ids) have been posted in last 1 year?

```
SELECT photoid,userid FROM photos  
WHERE post_date > ADD_MONTHS(sysdate,-12*1);
```

PHOTOID	USERID
1	1
9	1
4	2
5	3
8	4
11	5
20	5
15	6
17	8
23	9
25	10

4) Which picture/s (picture ids) has received maximum likes?

```
SELECT photoid,counts FROM(SELECT photoid,COUNT(userid)AS  
counts FROM likes GROUP BY(photoid))WHERE counts=(SELECT  
MAX(counts)FROM (SELECT COUNT(userid)AS counts FROM likes  
GROUP BY(photoid)));
```

PHOTOID	COUNTS
9	5

- 5) Display all picture ids in descending order of the likes they have got. Also display total no. of likes each picture has received.

```
SELECT photoid,counts FROM (SELECT photoid,COUNT(userid)AS  
counts FROM likes GROUP BY(photoid))ORDER BY(counts) DESC;
```

PHOTOID	COUNTS
9	5
4	4
6	4
7	3
23	3
2	2
1	2
15	2
3	2
8	2
17	2
10	1
19	1
25	1
18	1
22	1
13	1
5	1
20	1

- 6) Display picture ids of pictures with more than 3 likes.

```
SELECT photoid,counts FROM (SELECT photoid,COUNT(userid)AS  
counts FROM likes GROUP BY(photoid))WHERE counts > 3;
```

PHOTOID	COUNTS
6	4
4	4
9	5

7) Who (user id) has liked the most pictures?

```
SELECT userid,counts FROM(SELECT userid,COUNT(photoid)AS  
counts FROM likes GROUP BY(userid))WHERE counts=(SELECT  
MAX(counts)FROM (SELECT COUNT(photoid)AS counts FROM likes  
GROUP BY(userid)));
```

USERID	COUNTS
3	6

8) Which day of the week users are posting the maximum no. of pictures.

```
SELECT day FROM(SELECT day,COUNT(day)AS dcount FROM (SELECT  
TO_CHAR(post_date, 'DAY') As day FROM photos)GROUP  
BY(day))WHERE dcount = (SELECT MAX(dcount)FROM (SELECT  
COUNT(day)AS dcount FROM (SELECT TO_CHAR(post_date, 'DAY') As  
day FROM photos)GROUP BY(day)));
```

DAY
FRIDAY

9) Get the count of pictures posted during weekends.

```
SELECT SUM(pcount)AS photo_count FROM (SELECT  
day,COUNT(photoid)AS pcount FROM (SELECT  
photoid,TO_CHAR(post_date,'D') As day FROM photos)GROUP  
BY(day)) WHERE day IN(1,7);
```

PHOTO_COUNT
6

10) Find pictures (picture ids) with more than 3 tags.

```
SELECT photoid FROM (SELECT photoid,COUNT(tagid)AS id FROM
photo_tag GROUP BY(photoid))WHERE id >3;
```

PHOTOID
4

11) Display pictures with "London" in their caption. Do case insensitive search.

```
SELECT photoid FROM photo_caption WHERE LOWER(caption) LIKE
LOWER('%London%');
```

PHOTOID
10

12) Which pictures (picture ids) are stored on my "D:" drive?

```
SELECT photoid,image_path FROM photos WHERE photoid IN (SELECT
photoid AS pid FROM photos WHERE image_path LIKE 'D\:;%');
```

PHOTOID	IMAGE_PATH
1	D:\posts\1.jpg
12	D:\posts\12.jpg
13	D:\posts\13.jpg
14	D:\posts\14.jpg
16	D:\posts\16.jpg
17	D:\posts\17.jpg
18	D:\posts\18.jpg
19	D:\posts\19.jpg
2	D:\posts\2.jpg
20	D:\posts\20.jpg
21	D:\posts\21.jpg
3	D:\posts\3.jpg

13) Display year, pic_id of pictures posted by User id -3 in last 5 years.

```
SELECT EXTRACT(YEAR FROM post_date)AS year,photoid FROM photos  
WHERE userid = 3 AND post_date > ADD_MONTHS(sysdate,-12*5);
```

YEAR	PHOTOID
2017	3
2018	5
2016	10

14) Display first and last names of all users who have either have an account on gmail or yahoo.

```
SELECT first_name,last_name FROM users WHERE email LIKE  
'%@gmail.com' OR email LIKE '%@yahoo.com';
```

FIRST_NAME	LAST_NAME
angella	smith
shiv	kumar
sweta	singh
jack	smith
harry	potter
reven	claw
jhon	snow
arya	stark
ned	stark
white	walker

15) Add new user with user-name, his first & last name and email.

```
INSERT INTO users
(userid,username,email,password,first_name,last_name)
VALUES (11,'asmi','asmi@rediffmail.com','asm','Asmita','Kale');
```

16) Add a like for Picture id 6 by user id 7.

```
INSERT INTO likes(userid,photoid) VALUES (7,6);
```

17) Delete all likes done by user id '3'.

```
DELETE FROM likes WHERE userid = 3;
```

18) Update last name for user id '9' to 'Kumar'.

```
UPDATE users SET last_name ='Kumar' WHERE userid =9;
```

19) Update email address of User "Angella Smith" to asmith@gmail.com.

```
UPDATE users SET email ='asmith@gmail.com' WHERE
first_name='angella' AND last_name='smith';
```

20) Add a new tag for "Literature".

```
INSERT INTO tags(tagid,tag) VALUES (12,'Literature');
```