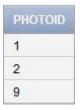
# **Queries**

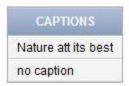
1) Picture ids of pictures posted by user id "1".

SELECT photoid FROM photos WHERE userid = 1;



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);



# 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

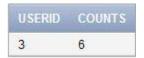
# 6) Display picture ids of pictures with more than 3 likes.

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)));



#### 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)));



#### 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);



### 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;



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

SELECT photoid FROM photo\_caption WHERE LOWER(caption) LIKE
LOWER('%London%');



#### 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 <a href="mailto:asmith@gmail.com">asmith@gmail.com</a>.

```
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');
```