SQL Questions
SET 2

(5 marks)

Consider the following relational schema of an online cloud storage management system:

USER

user_id	name	email	address	mobile_no	designation	mgr_id

USER_LOGIN

login_id	password	user_id	init_date	exp_date	server_id

SERVER

server_id	server_name	mgr_id

FILE

hash_id	file_name	creation_date	created_login_id	last_op_id	server_id

FILE_OPERATIONS

op_id	file_hash_id	login_id	mgr_id	operation	status	date	time

Operation can have values – *read, write* or *delete*
status can have values – *pending, approved,* or *rejected.*

Questions

1. Write an SQL query to find the number of files present in each server: (1.5 marks)

server_id	num_files

2. Which among the following queries generate correct answers for the following question:
Find the managers who are managing more than 10 users: (1.5 marks)

Query 1:
select m.mgr_id, count(*) as num_users
from USER as u, USER as m
where u.user_id = m. mgr_id
group by m.mgr_id
having count(*) >10

Query 2:
select m.mgr_id, count(*) as num_users
from USER as u, USER as m
where u.user_id = m. mgr_id AND count(*) >10
group by m.mgr_id

3. Write an SQL query to list the login id of the users who have created more than three files on or after 1 july 2021 , and the count of files created by them.   (1.5 marks)

4. Which of the following SQL command is used to delete a relational schema   (0.5 marks)

(a) DELETE (b) DROP (c) REMOVE (d) TRUNCATE