## SQL Questions SET 3

(5 marks)

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

#### **USER**

user ic	name	email	address	mobile_no	designation	mgr_id
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## USER\_LOGIN

<u>login id</u> password	user_id	init_date	exp_date	server_id
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#### **SERVER**

servei	id	server name	mgr id
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#### **FILE**

<u>hash_id</u>	file_name	creation_date	created_login_id	last_op_id	server_id
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## FILE\_OPERATIONS

op_id	file_hash_id	login_i d	mgr_id	operation	status	date	time
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Operation can have values – *read*, *write* or *delete* status can have values – *pending*, *approved*, or *rejected*.

# Questions

1. Which of the following is not a data definition language

(0.5 marks)

- (a)RENAME
- (b)REVOKE
- (c)GRANT
- (d)UPDATE
- 2. Identify the interpretation of the SQL query

(1.5 marks)

SELECT u.user\_id, u.name

FROM user u

WHERE u.user\_id NOT IN (SELECT l.user\_id

FROM USER\_LOGIN l,FILE OPERATIONS f WHERE l.login\_id = f.login\_id);

3. Write an SQL query to find the list of users who requested more than one file operation

(1.5 marks)

4. Identify the interpretation of the SQL query

(1.5 marks)

SELECT u.user\_id, FROM USER u, FILE OPERATIONS f, USER\_LOGIN l WHERE u.user\_id=l.user\_id AND l.login\_id = f.login\_id AND f.status= rejected AND f.operation =delete