

Assignment 4: Create a new database user with specific privileges using the CREATE USER and GRANT commands. Then, write a script to REVOKE certain privileges and DROP the user.

### Creation of new database user:

```
mysql> CREATE USER nithin@localhost IDENTIFIED BY 'nithin123';
Query OK, 0 rows affected (0.01 sec)
```

### Granting specific privileges:

```
mysql> GRANT SELECT, INSERT, UPDATE, ALTER ON sample_db.* TO nithin@localhost;
Query OK, 0 rows affected (0.00 sec)
```

### Revoking certain privileges:

```
mysql> REVOKE INSERT ON sample_db.* FROM nithin@localhost;
Query OK, 0 rows affected (0.00 sec)
```

After revoking insert permission,

The screenshot shows the MySQL Workbench interface. The 'Query' tab is active, displaying two SQL statements:

1. `INSERT INTO sample_db.users (email,password) values ('a@gamil.com','123456');`
2. `UPDATE sample_db.users SET email='a@gmail.com' WHERE id=5;`

The 'Output' pane at the bottom shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	12:53:54	INSERT INTO sample_db.users (email,password) values ('a@gamil.com','123456')	Error Code: 1142. INSERT command denied to user 'nithin'@'localhost' for table 'users'	0.000 sec
2	12:53:57	UPDATE sample_db.users SET email='a@gmail.com' WHERE id=5	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec

The 'Schemas' pane on the left shows the 'sample\_db' database selected. The 'Output' pane also displays a message: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'

### DROP the user:

```
mysql> DROP USER nithin@localhost;
Query OK, 0 rows affected (0.01 sec)
```