Steps

1

**"We're using MySQL 8.0's enhanced spatial functions like ST\_AsText() for our mapping features, which provides better performance and compatibility with modern GIS standards."**

CREATE USER 'c3\_user'@'localhost' IDENTIFIED BY 'c3\_password';

GRANT ALL PRIVILEGES ON underground\_mvp.\* TO 'c3\_user'@'localhost';

FLUSH PRIVILEGES;

Step 7: Test New User

EXIT;

mysql -u c3\_user -p

Enter password: c3\_password Then:

USE underground\_mvp;

🎯 Why This Matters for Your Project

In MySQL 8.0:

Old function: AsText() → New function: ST\_AsText()

Old function: Point() → New function: ST\_Point() (though Point() still works)

This is perfect for your presentation because you can explain:

"We're using MySQL 8.0's enhanced spatial functions like ST\_AsText() for our mapping features, which provides better performance and compatibility with modern GIS standards."

mysql> CREATE DATABASE underground\_mvp;

mysql> SELECT ST\_ASText(Point(1,1));

+-----------------------+

| ST\_ASText(Point(1,1)) |

+-----------------------+

| POINT(1 1) |

+-----------------------+

1 row in set (0.02 sec)mysql> CREATE USER 'c3\_user'@'localhost' IDENTIFIED BY 'c3\_password';

Query OK, 0 rows affected (0.03 sec)

mysql> GRANT ALL PRIVILEGES ON underground\_mvp.\* TO 'c3\_user'@'localhost';

Query OK, 0 rows affected (0.01 sec)

mysql> FLUSH PRIVILEGES;

Query OK, 0 rows affected (0.01 sec)

mysql> EXIT;

Bye

C:\Users\divya>mysql -u c3\_user -p

Enter password: \*\*\*\*\*\*\*\*\*\*\*

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 9

Server version: 8.0.43 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> USE underground\_mvp;

Database changed

mysql>