

Last login: Fri Apr 10 01:22:07 on ttys001
Serhiis-MacBook-Pro:~ serhiis\$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 25
Server version: 8.0.19 MySQL Community Server - GPL

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

```
mysql>
mysql>
mysql> SELECT DATABASE();
+-----+
| DATABASE() |
+-----+
| NULL       |
+-----+
1 row in set (0.00 sec)
```

```
mysql>
mysql>
mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| book_shop |
| cat_app  |
| customers_and_orders |
| information_schema |
| instagram_clone |
| mysql    |
| nodejs   |
| performance_schema |
| shirts_db |
| soap_store |
| sys      |
| tv_review_app |
+-----+
12 rows in set (0.01 sec)
```

```
mysql>
mysql> SHOW TRIGGERS;
ERROR 1046 (3D000): No database selected
mysql>
mysql>
mysql> CREATE TABLE trigger_db;
ERROR 1046 (3D000): No database selected
mysql> CREATE DATABASE trigger_db;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> USE trigger_db;
Database changed
mysql>
mysql>
mysql> SELECT DATABASE();
+-----+
| DATABASE() |
+-----+
| trigger_db |
+-----+
1 row in set (0.00 sec)
```

```
mysql>
mysql>
mysql> CREATE TABLE users(
-> username VARCHAR(100),
-> age INT
-> );
Query OK, 0 rows affected (0.01 sec)
```

```
mysql>
mysql>
mysql> INSERT INTO users(username, age) VALUES ("bobby", 23);
Query OK, 1 row affected (0.01 sec)
```

```
mysql>
mysql>
mysql> SELECT * FROM users;
+-----+
| username | age |
+-----+
| bobby    | 23 |
+-----+
1 row in set (0.00 sec)
```

```
mysql>
mysql>
mysql> INSERT INTO users(username, age) VALUES ("Sally", 16);
Query OK, 1 row affected (0.00 sec)
```

```
mysql>
mysql>
mysql> SELECT * FROM users;
+-----+
| username | age |
+-----+
| bobby    | 23 |
| Sally    | 16 |
+-----+
2 rows in set (0.00 sec)
```

```
mysql>
mysql> DELIMITER $$
mysql> CREATE TRIGGER must_be_adult
-> BEFORE INSERT ON users FOR EACH ROW
-> BEGIN
-> IF NEW.age < 18
-> THEN
-> SIGNAL SQLSTATE '45000'
-> SET MESSAGE_TEXT = 'Must be an adult!'
-> END IF;
-> END;
-> $$
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'END IF;
END' at line 8
mysql>
```

```
mysql>
mysql> DELIMITER $$
mysql> CREATE TRIGGER must_be_adult
-> BEFORE INSERT ON users FOR EACH ROW
-> BEGIN
-> IF NEW.age < 18
-> THEN
-> SIGNAL SQLSTATE '45000'
-> SET MESSAGE_TEXT = 'Must be an adult!';
-> END IF;
-> END;
-> $$
Query OK, 0 rows affected (0.01 sec)
```

```
mysql>
mysql> SHOW TRIGGERS;
->
-> ;
-> ^C
mysql> ^C
mysql>
mysql>
mysql> SELECT * FROM users;
-> ;
->
-> DELIMITER;
-> ^C
mysql> ^C
mysql> DELIMITER;
->
->
-> ^C
mysql> ^C
mysql> ^C
mysql> ^C
mysql>
mysql>
mysql>
mysql> DELIMITER;
-> ;
-> ;
->
-> ^C
mysql> ^C
mysql> ^C
mysql> ^C
mysql> ^C
mysql> exit
Bye
Serhiis-MacBook-Pro:~ serhiis$ mysql -u root -p
```

Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 26
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```
mysql>
mysql>
mysql> SELECT * FROM users;
ERROR 1046 (3D000): No database selected
mysql> SHOW DATABASES;
```

Database
book_shop
cat_app
customers_and_orders
information_schema
instagram_clone
mysql
nodejs
performance_schema
shirts_db
soap_store
sys
trigger_db
tv_review_app

```
13 rows in set (0.00 sec)

mysql> USE trigger_db;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
```

```
Database changed
mysql>
mysql>
mysql> SELECT DATABASE();
+-----+
| DATABASE() |
+-----+
| trigger_db |
+-----+
1 row in set (0.00 sec)
```

```
mysql>
mysql>
mysql>
mysql> SELECT * FROM users;
+-----+-----+
| username | age |
+-----+-----+
| bobby   | 23 |
| Sally   | 16 |
+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> SHOW TRIGGERS;
```

Trigger	Event	Table	Statement	Definer	character_set_client	collation_connection	Database Collation	Timing	Created	sql_mode
must_be_adult	INSERT	users	BEGIN IF NEW.age < 18 THEN SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Must be an adult!'; END IF; END BEFORE 2020-04-10 21:55:43.78 ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION	root@localhost	utf8mb4					

```
1 row in set (0.00 sec)
```

```
mysql>
mysql>
mysql>
mysql>
mysql> INSERT INTO users(username, age) VALUES ("Yang", 14);
ERROR 1644 (45000): Must be an adult!
mysql>
mysql>
mysql>
mysql> SELECT * FROM users;
+-----+-----+
| username | age |
+-----+-----+
| bobby   | 23 |
| Sally   | 16 |
+-----+-----+
2 rows in set (0.00 sec)

mysql>
mysql>
```