```
Abbys-MacBook-Pro:bin abbyward$ cd /usr/local/mysql/bin
Abbys-MacBook-Pro:bin abbyward$ ./mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.25 MySQL Community Server - GPL

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owners.

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

mysql> show databases
    -> show databases:
    -> show databases;
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 'show databases:
show databases' at line 2
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
4 rows in set (0.02 sec)

mysql> create database test
    -> ;
Query OK, 1 row affected (0.00 sec)

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
| test               |
+--------------------+
5 rows in set (0.00 sec)
```

```
mysql> use test;
Database changed
mysql> show tables;
Empty set (0.00 sec)

mysql> create table students(id int primary key, name varchar(20) not
null, age int);
Query OK, 0 rows affected (0.02 sec)

mysql> show tables
    -> ;
+----------------+
| Tables_in_test |
+----------------+
| students       |
+----------------+
1 row in set (0.00 sec)

mysql> describe students;
+-------+-------------+------+-----+---------+-------+
| Field | Type        | Null | Key | Default | Extra |
+-------+-------------+------+-----+---------+-------+
| id    | int         | NO   | PRI | NULL    |       |
| name  | varchar(20) | NO   |     | NULL    |       |
| age   | int         | YES  |     | NULL    |       |
+-------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> insert into student values("1", "Bob", "18");
ERROR 1146 (42S02): Table 'test.student' doesn't exist
mysql> insert into students values("1", "Bob", "18");
Query OK, 1 row affected (0.01 sec)

mysql> insert into students values("2", "Bob", "19");
Query OK, 1 row affected (0.00 sec)

mysql> insert into students values("3", "Bob", NULL);
Query OK, 1 row affected (0.00 sec)

mysql> select * from students
    -> ;
+----+------+------+
| id | name | age  |
+----+------+------+
|  1 | Bob  |   18 |
|  2 | Bob  |   19 |
|  3 | Bob  | NULL |
+----+------+------+
3 rows in set (0.00 sec)
```

```
mysql> insert into students values("3", "Sue", 20);
ERROR 1062 (23000): Duplicate entry '3' for key 'students.PRIMARY'
mysql> insert into students values("4", NULL, 21);
ERROR 1048 (23000): Column 'name' cannot be null
mysql> quit
Bye
```