

Yuwen Sang

SQL Startup

MySQL 8.0 Command Line Client

```
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 3845
Server version: 8.0.22 MySQL Community Server - GPL

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

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sakila |
| sys |
| temp |
| world |
+-----+
7 rows in set (0.00 sec)

mysql> create database test;
Query OK, 1 row affected (0.02 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sakila |
| sys |
| temp |
| test |
| world |
+-----+
8 rows in set (0.00 sec)

mysql> use test;
Database changed
mysql> show tables;
Empty set (0.01 sec)

mysql> create table students (id int primary key, name varchar(20) not null, age int);
Query OK, 0 rows affected (0.07 sec)

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

mysql> describe students;
+-----+-----+-----+-----+-----+-----+

```

```
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 (0.01 sec)
```

```
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 (0.01 sec)
```

```
mysql> insert into students values( "3", "Bob", NULL);  
Query OK, 1 row affected (0.01 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> █
```