

Microsoft Windows [Version 10.0.19042.1165]
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C:\Users\rainb>cd c:\program files\mysql\mysql server 8.0\bin

c:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -u root -p

Enter password: *****

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

Your MySQL connection id is 21

Server version: 8.0.26 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;

Database
information_schema
mysql
performance_schema
sys

4 rows in set (0.00 sec)

mysql> create database test;

Query OK, 1 row affected (0.01 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 (0.04 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 students values( "1", "Bob", "18") ;
Query OK, 1 row affected (0.00 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>
```