

查看表结构以及表中数据

1、查看mysqlstudy数据库中的表：

```
mysql> show tables;
+-----+
| Tables_in_mysqlstudy |
+-----+
| dept                  | (部门表)
| emp                   | (员工表)
| salgrade              | (工资等级表)
+-----+
```

2、查看某张表的结构（结构包括表中的字段以及这些字段的数据类型和约束条件）：

```
mysql> desc dept;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| DEPTNO | int(2)         | NO   | PRI | NULL    |       | (部门编号)
| DNAME  | varchar(14)    | YES  |     | NULL    |       | (部门名字)
| LOC    | varchar(13)    | YES  |     | NULL    |       | (部门位置)
+-----+-----+-----+-----+-----+-----+
```

```
mysql> desc emp;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| EMPNO | int(4)         | NO   | PRI | NULL    |       | (员工编号)
| ENAME | varchar(10)    | YES  |     | NULL    |       | (员工名字)
| JOB   | varchar(9)     | YES  |     | NULL    |       | (工作岗位)
| MGR   | int(4)         | YES  |     | NULL    |       | (上级领导编号)
| HIREDATE | date         | YES  |     | NULL    |       | (入职日期)
| SAL   | double(7,2)    | YES  |     | NULL    |       | (薪资)
| COMM  | double(7,2)    | YES  |     | NULL    |       | (每月补贴)
| DEPTNO | int(2)         | YES  |     | NULL    |       | (所在部门编号)
+-----+-----+-----+-----+-----+-----+
```

```
mysql> desc salgrade;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| GRADE | int(11)       | YES  |     | NULL    |       | (等级)
| LOSAL | int(11)       | YES  |     | NULL    |       | (最低薪资)
| HISAL | int(11)       | YES  |     | NULL    |       | (最高薪资)
+-----+-----+-----+-----+-----+-----+
```

3、查询表中所有字段数据

```
mysql> select * from dept;
+-----+-----+-----+
| DEPTNO | DNAME      | LOC      |
+-----+-----+-----+
|      10 | ACCOUNTING | NEW YORK |
|      20 | RESEARCH   | DALLAS   |
|      30 | SALES      | CHICAGO  |
|      40 | OPERATIONS | BOSTON   |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from emp;
+-----+-----+-----+-----+-----+-----+-----+-----+
| EMPNO | ENAME      | JOB      | MGR | HIREDATE   | SAL      | COMM      | DEPTNO |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7369 | SMITH      | CLERK    | 7902 | 1980-12-17 | 800.00    | NULL      | 20 |
| 7499 | ALLEN      | SALESMAN | 7698 | 1981-02-20 | 1600.00    | 300.00    | 30 |
| 7521 | WARD       | SALESMAN | 7698 | 1981-02-22 | 1250.00    | 500.00    | 30 |
| 7566 | JONES      | MANAGER  | 7839 | 1981-04-02 | 2975.00    | NULL      | 20 |
| 7654 | MARTIN     | SALESMAN | 7698 | 1981-09-28 | 1250.00    | 1400.00    | 30 |
| 7698 | BLAKE      | MANAGER  | 7839 | 1981-05-01 | 2850.00    | NULL      | 30 |
| 7782 | CLARK      | MANAGER  | 7839 | 1981-06-09 | 2450.00    | NULL      | 10 |
| 7788 | SCOTT      | ANALYST  | 7566 | 1987-04-19 | 3000.00    | NULL      | 20 |
| 7839 | KING       | PRESIDENT | NULL | 1981-11-17 | 5000.00    | NULL      | 10 |
| 7844 | TURNER     | SALESMAN | 7698 | 1981-09-08 | 1500.00    | 0.00      | 30 |
| 7876 | ADAMS      | CLERK    | 7788 | 1987-05-23 | 1100.00    | NULL      | 20 |
| 7900 | JAMES      | CLERK    | 7698 | 1981-12-03 | 950.00     | NULL      | 30 |
| 7902 | FORD       | ANALYST  | 7566 | 1981-12-03 | 3000.00    | NULL      | 20 |
| 7934 | MILLER     | CLERK    | 7782 | 1982-01-23 | 1300.00    | NULL      | 10 |
+-----+-----+-----+-----+-----+-----+-----+-----+
14 rows in set (0.33 sec)

mysql> select * from salgrade;
+-----+-----+-----+
| GRADE | LOSAL | HISAL |
+-----+-----+-----+
|      1 |      700 |    1200 |
|      2 |    1201 |    1400 |
|      3 |    1401 |    2000 |
|      4 |    2001 |    3000 |
|      5 |    3001 |   9999 |
+-----+-----+-----+
5 rows in set (0.00 sec)
```

4、查看数据库版本以及当前使用的数据库

```
mysql> select version();
+-----+
| version() |
+-----+
| 5.7.28    |
+-----+
1 row in set (1.63 sec)
mysql> select database();
+-----+
| database() |
+-----+
```

```
| mysqlstudy |  
+-----+  
1 row in set (0.00 sec)
```

5、终止一条正在编写的语句或命令-->后面加\c

```
mysql> select *  
->  
->  
-> ds  
-> sd  
-> \c  
mysql>
```

6、查看创建表的语句

```
mysql> show create table salgrade;  
+-----+-----+  
-----+  
| Table      | Create Table  
|  
+-----+-----+  
-----+  
| salgrade | CREATE TABLE `salgrade` (  
  `GRADE` int(11) DEFAULT NULL,  
  `LOSAL` int(11) DEFAULT NULL,  
  `HISAL` int(11) DEFAULT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8 |  
+-----+-----+  
-----+  
1 row in set (0.00 sec)
```