

## 建表结果

```

root@zhangxiaotian-Lenovo-XiaoXin-CHAO7000: /home/zhangxiaotian
文件(F) 编辑(E) 查看(V) 搜索(S) 终端(T) 帮助(H)
Query OK, 1 row affected (0.00 sec)

mysql> insert into stu values (19, '诸葛亮', '男', '1998-11-12', 186.5, 75.5, 721.5,
    null);
Query OK, 1 row affected (0.00 sec)

mysql> insert into stu values (9, '赵云', '女', '1997-06-09', 173.0, 45.0, 577.5, 2)
;
Query OK, 1 row affected (0.01 sec)

mysql> select * from stu
-> ;
+-----+-----+-----+-----+-----+-----+-----+-----+
| sno | sname | sex | birth | height | weight | score | cno |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 17 | 吕布 | 男 | 1992-12-08 | 192.0 | 92.0 | 352.0 | NULL |
| 10 | 马超 | 男 | 1996-09-14 | 168.0 | 54.0 | 600.5 | 2 |
| 15 | 张昭 | 男 | 1990-07-25 | 168.0 | 83.0 | 583.0 | 3 |
| 2 | 曹洪 | 女 | 1996-01-15 | 174.0 | 63.5 | 570.0 | 1 |
| 18 | 袁绍 | 女 | 1990-04-25 | 175.0 | 55.6 | 511.0 | NULL |
| 6 | 许褚 | 男 | 1995-04-13 | 183.0 | 115.0 | 620.0 | 1 |
| 12 | 周瑜 | 男 | 1997-04-18 | 174.0 | 54.0 | 631.5 | 3 |
| 20 | 乐进 | 男 | 1995-05-27 | 168.0 | 54.0 | 536.0 | 1 |
| 7 | 关羽 | 男 | 1994-07-20 | 190.5 | 90.0 | 587.0 | 2 |
| 13 | 大乔 | 女 | 1998-10-13 | 168.0 | 40.0 | 468.0 | 3 |
| 11 | 黄忠 | 男 | 1992-12-18 | 174.0 | 74.0 | 478.5 | 2 |
| 1 | 曹仁 | 男 | 1995-10-23 | 173.0 | 56.0 | 613.0 | 1 |
| 14 | 小乔 | 女 | 1999-07-25 | 162.0 | 38.0 | 505.5 | 3 |
| 8 | 张飞 | 女 | 1996-02-14 | 165.0 | 89.5 | 492.0 | 2 |
| 16 | 太史慈 | 男 | 1994-09-27 | 180.0 | 86.0 | 404.0 | 3 |
| 4 | 夏侯渊 | 男 | 1995-11-15 | 183.0 | 76.0 | 466.0 | 1 |
| 3 | 夏侯惇 | 男 | 1995-08-15 | 181.0 | 73.0 | 505.0 | 1 |
| 5 | 张辽 | 女 | 1996-03-11 | 179.0 | 75.0 | 712.0 | 1 |
| 19 | 诸葛亮 | 男 | 1998-11-12 | 186.5 | 75.5 | 721.5 | NULL |
| 9 | 赵云 | 女 | 1997-06-09 | 173.0 | 45.0 | 577.5 | 2 |
+-----+-----+-----+-----+-----+-----+-----+-----+
20 rows in set (0.00 sec)

mysql>

```

```

mysql> select * from class
-> ;
+-----+-----+-----+
| cno | cname | teacher |
+-----+-----+-----+
| 3 | 3班 | 孙权 |
| 2 | 2班 | 刘备 |
| 1 | 1班 | 曹操 |
| 4 | 4班 | 刘协 |
+-----+-----+-----+
4 rows in set (0.00 sec)

```

```

mysql> select * from bmi;
+-----+-----+-----+-----+-----+
| id | bname | lval | hval | sex |
+-----+-----+-----+-----+-----+
| 1 | 过轻 | 0.00 | 19.99 | 男 |
| 2 | 适中 | 20.00 | 24.99 | 男 |
| 3 | 过重 | 25.00 | 29.99 | 男 |
| 4 | 肥胖 | 30.00 | 35.00 | 男 |
| 5 | 过轻 | 0.00 | 18.99 | 女 |
| 6 | 适中 | 19.00 | 23.99 | 女 |
| 7 | 过重 | 24.00 | 28.99 | 女 |
| 8 | 肥胖 | 29.00 | 34.00 | 女 |
+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)

```

## 作业

1.显示 stu 表中考分最高的 3 名学生

```
mysql> select sname,score
-> from stu
-> order by score desc
-> limit 3;
+-----+-----+
| sname  | score |
+-----+-----+
| 诸葛亮 | 721.5 |
| 张辽   | 712.0 |
| 周瑜   | 631.5 |
+-----+-----+
3 rows in set (0.00 sec)
```

2.找出已分班学生中,哪些学生的平均身高超过 175,列出其班号和人数

```
mysql> select cno,count(*)
-> from stu
-> where cno is not null
-> group by cno having avg(height)>175;
+-----+-----+
| cno  | count(*) |
+-----+-----+
| 1    | 7        |
+-----+-----+
1 row in set (0.01 sec)
```

3.统计 1 班的人数,列出班号和人数

```
mysql> select cno,count(*) from stu where cno=1;
+-----+-----+
| cno  | count(*) |
+-----+-----+
| 1    | 7        |
+-----+-----+
1 row in set (0.00 sec)
```

4.查询学生表中哪些人的体重比张飞重?

```
mysql> select sname,weight
-> from stu
-> where weight>(
-> select weight from stu
-> where sname="张飞");
+-----+-----+
| sname  | weight |
+-----+-----+
| 吕布   | 92.0   |
| 许褚   | 115.0  |
| 关羽   | 90.0   |
+-----+-----+
3 rows in set (0.00 sec)
```

5.2 班3班中哪些同学的身高比1班的平均身高要高?

```
mysql> select sname,cno from stu where cno in (2,3) and height>( select avg(height)
from stu where cno=1);
+-----+-----+
| sname   | cno |
+-----+-----+
| 关羽    | 2   |
| 太史慈  | 3   |
+-----+-----+
2 rows in set (0.00 sec)
```

以下未 SQL 部分试题，不限制数据库产品类型，书写时请标注数据库产品

1. 用一条 sql 语句查询出每门课都大于 80 分的学生姓名，表结构及数据如下：

表名：edu\_app\_xs\_score

name	course	score
张三	语文	81
张三	数学	75
李四	语文	76
李四	数学	90
王五	语文	81
王五	数学	100
王五	英语	90

```
select name from edu_app_xs_score group by name having min(score)>80;
```