

hive 语句综合练习

-- 1、查询姓氏首字母为"M"的教练的数量

```
select count(t_id) from teacher where t_name like 'M%';
```

-- 2、查询学过"MILLER"教练授课的同学的信息

```
select stu.* from student stu,score sc where stu.s_id = sc.s_id and sc.c_id in (select c_id  
from course c, teacher t where t.t_id = c.t_id and t_name = 'MILLER');
```

-- 3、查询所有同学的学生编号、学生姓名、选课总数、所有运动的总成绩

```
select stu.s_id,stu.s_name,count(sc.c_id) sum_course,sum(sc.s_score) sum_score  
from student stu left join score sc on stu.s_id = sc.s_id group by stu.s_id,stu.s_name;
```

4、查询平均成绩大于等于 60 分的同学的学生编号和学生姓名和平均成绩

```
select stu.s_id,stu.s_name,avg(sc.s_score) avg_score from student stu left join score sc  
on stu.s_id = sc.s_id group by stu.s_id,stu.s_name having avg_score >= 60;
```

```
select stu.s_id,stu.s_name,Round(avg(sc.s_score),2) avg_score from student stu left  
join score sc on stu.s_id = sc.s_id group by stu.s_id,stu.s_name having  
Round(avg(sc.s_score),2) >= 60;
```

5、查询平均成绩小于 60 分的同学的学生编号和学生姓名和平均成绩

-- (包括有成绩的和无成绩的)

```
select stu.s_id,stu.s_name,avg(sc.s_score) avg_score from student stu left join score sc  
on stu.s_id = sc.s_id group by stu.s_id,stu.s_name having avg_score < 60;
```

```
select stu.s_id,stu.s_name,0 avg_score from student stu where stu.s_id not in(select  
distinct sc.s_id from score sc);
```

```
select stu.s_id,stu.s_name,avg(sc.s_score) avg_score from student stu left join score sc  
on stu.s_id = sc.s_id group by stu.s_id,stu.s_name having avg_score < 60  
union all  
select stu.s_id,stu.s_name,0 avg_score from student stu where stu.s_id not in(select  
distinct sc.s_id from score sc);
```

-- 6、查询学过编号为"01"并且也学过编号为"02"的运动的同学的信息

```
select stu.* from student stu,score sc,score sc2 where stu.s_id = sc.s_id and stu.s_id =  
sc2.s_id and sc.c_id = '01'and sc2.c_id = '02';
```

7、查询男生、女生人数

```
select count(s_sex='female'),count(s_sex='male') from student;
```

8、查询不及格的课程，并按课程号从大到小排列

```
select sc.c_id,sc.s_score from score sc where sc.s_score<60 order by sc.c_id desc;
```

9、查询课程编号为"01"且课程成绩在 60 分以上的学生的学号和姓名；

```
select stu.s_id,stu.s_name,sc.s_score,sc.c_id from score sc,student stu where  
sc.s_id=stu.s_id and sc.c_id = 01 and sc.s_score>60;
```

10、查询不及格的课程，并按课程号从大到小排列

```
select sc.c_id,sc.s_score FROM score sc WHERE sc.s_score<60 order by sc.c_id desc;
```