/\*\*

Date:2019

Author:syf

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//8.8

查询"01"课程比"02"课程成绩高的学生的信息及课程分数

select a.\*,b.s\_score,c.s\_score from student a left join score b on a.s\_id = b.s\_id AND b.c\_id ='01' left join score c on a.s\_id = c.s\_id and c.c\_id = '02' where b.s\_score>c.s\_score

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 a.s\_id, a.s\_name,ROUND(AVG(b.s\_score),2) FROM student a left join score b on a.s\_id = b.s\_id GROUP BY a.s\_id HAVING AVG(B.s\_score)>60

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 a.s\_id, a.s\_name,ROUND(AVG(b.s\_score),2) as avg from student a left JOIN score b on a.s\_id = b.s\_id group by a.s\_id HAVING avg<60 union

SELECT a.s\_id, a.s\_name,0 as avg FROM student a WHERE a.s\_id NOT in (SELECT DISTINCT s\_id FROM score )

//8.9

查询所有同学的学生编号、学生姓名、选课总数、所有课程的总成绩

select a.s\_id,a.s\_name,count(b.c\_id) as count,SUM(b.s\_score) FROM student a LEFT JOIN score b on a.s\_id = b.s\_id GROUP BY a.s\_id

查询"李"姓老师的数量

SELECT COUNT(t\_id) from teacher WHERE t\_name like '李%'

查询学过"张三"老师授课的同学的信息

SELECT \* FROM student WHERE s\_id in (SELECT s\_id FROM score WHERE c\_id in (SELECT c\_id from course where t\_id=(SELECT t\_id from teacher WHERE t\_name ='张三')))

查询学过编号为"01"并且也学过编号为"02"的课程的同学的信息

SELECT a.\* FROM student a ,score b ,score c

WHERE a.s\_id = b.s\_id and a.s\_id = c.s\_id and b.c\_id='01' and c.c\_id='02'

//8.20

查询没有学全所有课程的同学的信息

select s.\* from student s LEFT join score b on s.s\_id = b.s\_id GROUP BY s.s\_id HAVING COUNT(b.c\_id)<(SELECT COUNT(\*) FROM course)

查询至少有一门课与学号为"01"的同学所学相同的同学的信息

select \* from student where s\_id in(

select distinct a.s\_id from score a where a.c\_id in(select a.c\_id from score a where a.s\_id='01')

);

查询没学过"张三"老师讲授的任一门课程的学生姓名

select s\_name from student WHERE s\_id not in (SELECT s\_id from score WHERE c\_id in (SELECT c\_id from course where t\_id = (SELECT t\_id FROM teacher t\_id WHERE t\_name='张三')))