**SQL练习**

-- 1 查询student表中所有记录

-- select \* from student;

-- 2 查询student表中所有记录的sname、ssex、class。

-- select sname,ssex,class from student;

-- 3 查询教师所有的单位即不重复的depart列(distinct 可以去除重复的内容)

-- select distinct depart from teacher

-- 4 查询score表中成绩在60到80之间的所有记录。

-- select \* from score where degree between 60 and 80 ;

-- 5 查询score表中成绩为85、86、88的记录。

-- select \* from score where degree in (85,86,88);

-- 6 查询student表中“95031”班或性别为女的同学的记录。

-- select \* from student where class="95031" or ssex="女";

-- 7 以class降序查询student表中的所有记录。

-- select \* from student order by class desc;

-- 8 以cno升序、degree降序查询score表的所有记录。

-- select \* from score order by cno asc, degree desc;

-- 9 查询“95031”班的学生人数。

-- select class,count(\*) as 人数 from student where class="95031";

-- 10 查询score表中的最高分的学生的学号和课程号。

-- select sno,cno,degree from score where degree=(select max(degree) from score);

-- 11 查询每一门课的平均成绩。

-- select cno,avg(degree) from score group by cno; （分组查询用 group by）

-- 12 查询score表中至少有2名学生选修的并以3开头的课程的平均分。

-- select cno,avg(degree)from score group by cno having count(cno)>=2 and cno like '3%';

-- 13 查询分数大于70，小于90的sno列。

-- select sno,degree from score where degree between 70 and 90;

-- 14 查询所有学生的 sname、 cno、degree列。(多表查询找到两张表所共有的字段建立连接关系)

-- select sname,cno,degree from student as a,score as s where a.sno=s.sno;

-- 15 查询所有学生的sno、cname和degree。

-- select sno,cname,degree from course as a,score as s where a.cno=s.cno;

-- 16 查询所有学生的sname、cname 和degree列。

-- select sname,cname,degree from student,course,score where student.sno=score.sno and course.cno=score.cno;

-- 17 查询95031班每门课的平均成绩。(找出表与表之间的联系)

-- select sno from student where class="95031";

-- select cno,avg(degree) from score where sno in( select sno from student where class="95031") group by cno;

-- 18查询选修“3-105”课程的成绩高于“109”号同学“3-105”成绩的所有同学记录。

-- select \* from student where sno in( select sno from score where degree>(select degree from score where sno="109" and cno="3-105") and cno="3-105");

-- 19 查询成绩高于学号为“109“、课程号为”3-105“的成绩的所有记录。

-- select \*from score where degree>(select degree from score where sno="109" and cno="3-105") ;

-- 20 查询和学号为108、101的同学同年出生的所有学生的sno、sname和sbirthday列。

-- select sno,sname,year(sbirthday) from student where year(sbirthday) in (select year(sbirthday) from student where sno="108" or sno="101");

-- 21 查询“老夫子”教师任课的学生成绩。

-- select \*from score where cno=(select cno from course where tno=(select tno from teacher where tname="老夫子"));

-- 22 查询选修某课程的同学人数多于5人的教师的姓名。

-- insert into score values('101','3-105','90');

-- insert into score values('102','3-105','91');

-- insert into score values('104','3-105','88');

-- select tname from teacher where tno=(select tno from course where cno=(select cno from score group by cno having count(\*)>5));

-- 23 查询95033和95031班全体学生的记录。

-- insert into student values("110",'橘右京','男','1975-06-04','95038');

-- select \* from student where class in("95031","95033");

-- 24 查询存在有85分以上成绩的课程cno；

-- select cno,degree from score where degree>85;

-- 25 查出计算机系教师所教课程的成绩表。

-- select \* from score where cno in(select cno from course where tno in (select tno from teacher where depart="电子工程系"));

-- 26 查询中文系与电子工程系不同职称的教师的tname和prof。

-- select \*from teacher where depart ="中文系" and prof not in (select prof from teacher where depart="电子工程系"union select \*from teacher where depart ="电子工程系" and prof not in (select prof from teacher where depart="中文系");