1.

---涉及空值查询

select \*

from sc

where grade is null;

select \*

from sc

where grade=' ';

2.

--查询选了1号课程的成绩记录.

select \*

from sc

where cno=1;

--查询选了1号课程的且成绩按升序显示的成绩记录.

select \*

from sc

where cno=1

order by grade asc;

--显示成绩记录,先课程号升序,再学号升序

select \*

from sc

order by cno asc,sno asc;

--显示成绩记录,先课程号升序,再成绩降序

select \*

from sc

order by cno asc,grade desc;

3.

--统计学生表的人数.

select count(\*) number

from student;

--统计学生表的男生人数.

select count(\*) number

from student

where ssex='男';

--统计学生表的女生人数.

select count(\*) number

from student

where ssex='女';

--统计学生表的男女生人数.

select ssex,count(\*) number

from student

group by ssex;

4.

--分组统计每个系的人数

select sdept,count(\*) number

from student

group by sdept;

--统计每个学生的选课门数.

select sno,count(\*) number

from sc

group by sno;

--统计每门课的选课人数.

select cno,count(\*) number

from sc

group by cno;

--统计每门课的选课人数,显示选课人数小于等于二的课程号

select cno,count(\*) number

from sc

group by cno having count(\*)<=2;

5.

--查询选了1号课程的学生学号.

select sno

from sc

where cno=1;

--查询选了1号课程的学生学号,姓名.

select student.sno,sname

from student,sc

where student.sno=sc.sno and cno=1;

6.

--查询每个学生的基本信息及选课成绩记录信息.

select \*

from student,sc

where student.sno=sc.sno;

7.

--自身连接:查询每一门课程的先行课的先行课.

select c1.cno,c1.cpno,c2.cpno

from course c1,course c2

where c1.cpno=c2.cno;

--查询与"李勇"在同一个系的学生信息.

select s1.\*

from student s1,student s2

where s1.sdept=s2.sdept

and s2.sname='李勇';

8.

--自然连接：

select student.\*,cno,grade

from student,sc

where student.sno=sc.sno;

select \*

from student;

9.

--内连接:

select student.\*,cno,grade

from student,sc

where student.sno=sc.sno;

--或者

select student.\*,cno,grade

from student inner join sc

on student.sno=sc.sno;

10.

--外连接:

select student.\*,cno,grade

from student,sc

where student.sno=sc.sno;

--或者

select student.\*,cno,grade

from student inner join sc

on student.sno=sc.sno;

select \*

from student left join sc

on student.sno=sc.sno;

select \*

from student right join sc

on student.sno=sc.sno;

select \*

from student full join sc

on student.sno=sc.sno;

11.

--多表查询:

/\*查询每个学生的基本信息及选课成绩

信息,相应的课程基本信息\*/

select \*

from student,sc,course

where student.sno=sc.sno

and sc.cno=course.cno

and cname='数据库';

select count(\*)

from student;

select count(\*)

from sc;

select count(\*)

from course;

12.

--查询选了1号课程的学生学号和姓名.

select student.sno,sname

from student,sc

where student.sno=sc.sno

and cno=1;

--查询没有选1号课程的学生学号和姓名.

select student.sno,sname

from student,sc

where student.sno=sc.sno

and cno<>1;