2024年8月20日 21:56

#查询购买了所有产品的顾客(pid=1~4)

select cid from orders o group by cid having count(DISTINCT pid)=(select count(pid) from products

重点: 例5.60, 将所有订货总金额大于2000的顾客折扣率增加百分之1.1

```
update customers
set discnt = discnt*1.1
where cid in
select cid
from orders
group by cid
having sum(dollars)>1000
create table student(
sno char(255) not null primary KEY,
sname char(255),
city char(10),
sex char(255),
department char(255),
```

check sex in ('男','女')

create table course cno char(255) not null primary KEY, cname char(255) create table sc sno char(255). cno char(255), foreign key(sno) references student(sno),

foreign key(cno) references course(cno),

check (sno is not NULL)

select * from student

where sname like '张%' -- 字符串比较要用like

-- 各个学院的平均成绩

select department,AVG(sc.grade) -- group by 必须与sum avg min max 这些一起使用 from student.sc GROUP BY department

-- 输出不同学院平均成绩85以上的学生个数

select department,count(sc.sno) -- group by 必须与sum avg min max 这些一起使用

from student,sc where student.sno = sc.sno **GROUP BY department**

having avg(sc.grade)>=85 -- having 筛选groupby以后的,必须与avg,count,sum这些一起用

-- 输出不同学院90分以上的学生介

select department.count(distinct sc.sno) where student.sno = sc.sno and sc.grade>=90 GROUP BY department

-- 成绩降序排列

select sname,grade from sc,student where sc.sno = student.sno order by grade desc -- 降序 asc升序

-- 给所有计算机学院的学生加两分

update sc set grade = grade + 2 where sno IN -- 嵌套查询,in表示是否处于某个集合中! select sno where department = '计算机科学与技术'

--选出上了所有课程的学生

SELECT s.sname FROM student s JOIN sc ON s.sno = sc.sno GROUP BY s.sno HAVING COUNT(DISTINCT sc.cno) = (SELECT COUNT(*) FROM course);

--按学号分组,某个学号所选课程数等于课程表的课程数量

-- 注意: 不能用! = 只能用is not in