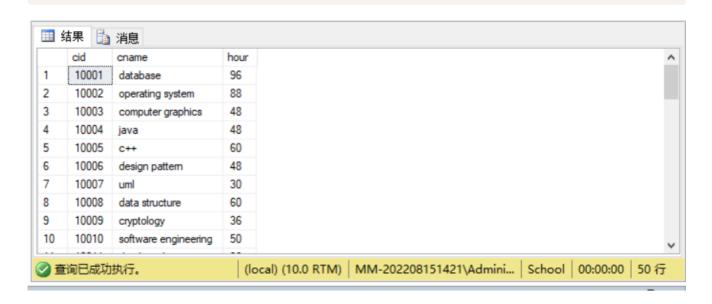
姓名	学号
崔璨明	20337025

## 第一题:

查询全部课程的详细记录。

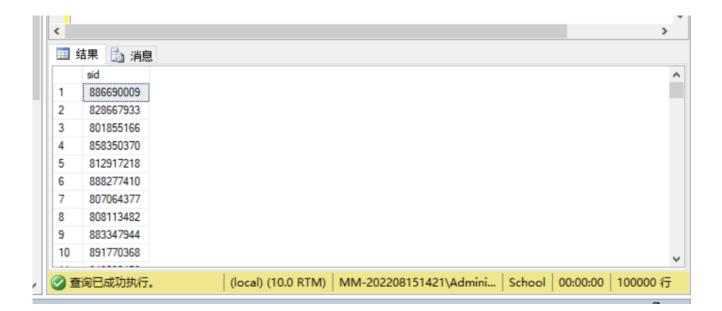
select \*
from COURSES



# 第二题:

查询所有有选修课的学生的编号。

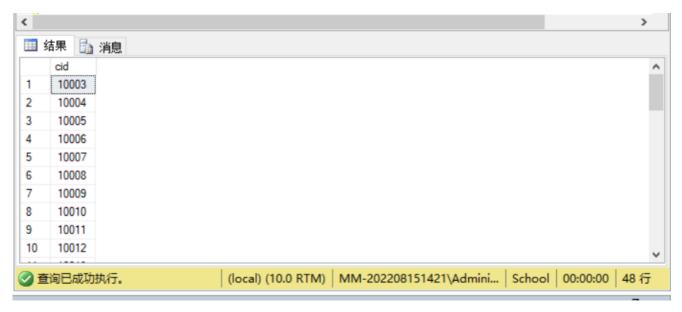
select distinct sid
from CHOICES



### 第三题:

查询课时<88(小时)的课程的编号

select distinct cid
from COURSES
where hour<88



## 第四题:

请找出总分超过400分的学生

select sid,sname from STUDENTS where grade>400



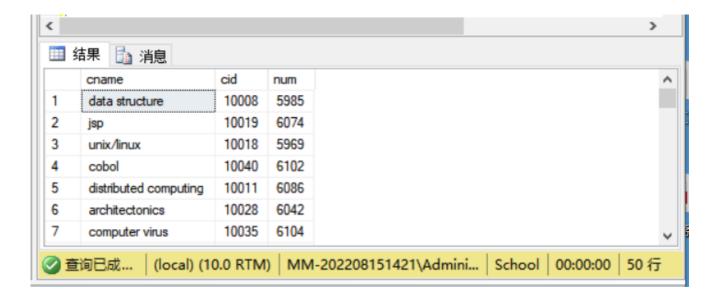
### 第五题:

查询课程的总数

# 第六题:

查询所有课程和选修该课程的学生总数

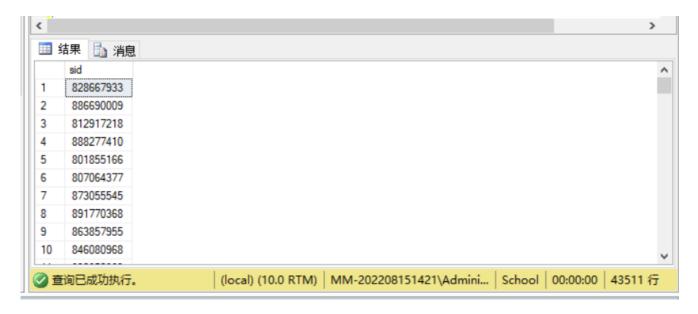
```
select COURSES.cname,COURSES.cid,count(sid) as num
from COURSES INNER join CHOICES
on COURSES.cid=CHOICES.cid
group by COURSES.cname,COURSES.cid
```



#### 第七题:

查询选修成绩超过60的课程超过两门的学生编号

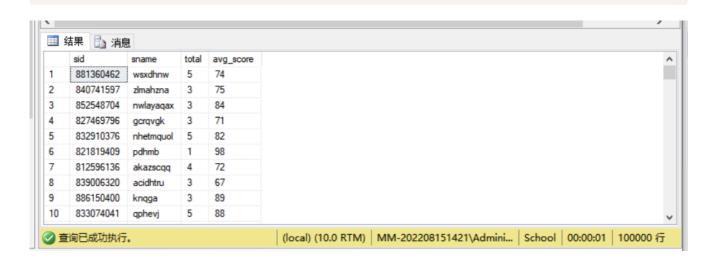
```
select sid
from CHOICES
where score>60
group by sid
having COUNT(*)>2
```



## 第八题:

统计各个学生的选修课程数目和平均成绩

```
select STUDENTS.sid,STUDENTS.sname,COUNT(*) as total,AVG(score) as
avg_score
from STUDENTS inner join CHOICES
on STUDENTS.sid=CHOICES.sid
group by STUDENTS.sid,STUDENTS.sname
```



### 第九题:

查询选修Java的所有学生的编号及姓名

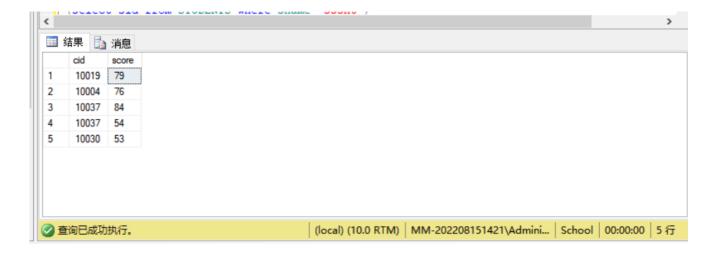
```
select distinct STUDENTS.sid,STUDENTS.sname,COURSES.cname
from STUDENTS,COURSES,CHOICES
where STUDENTS.sid=CHOICES.sid
and CHOICES.cid=COURSES.cid
and COURSES.cname='java'
```



#### 第十题:

查询姓名为sssht的学生所选的课程的编号和成绩

```
select cid,score
from CHOICES
where sid in
(select sid from STUDENTS where sname='sssht')
```



# 第十一题:

查询其他课时比课程C++多的课程的名称

select cname
from COURSES
where(hour>(select hour from COURSES where cname='c++'))

