第三次实验

(1)查询全部课程的详细记录;

(2)查询所有有选修课的学生的编号;

select sid
from choices

```
select sid
from choices
田 结果 圖 消息
     sid
823069829
829348273
      850955252
      847061074
      860635914
      822137137
      826310502
      817636568
10
      813520169
      801967882
11
      830180555
      848035070
14
15
      834091581
16 809548802
```

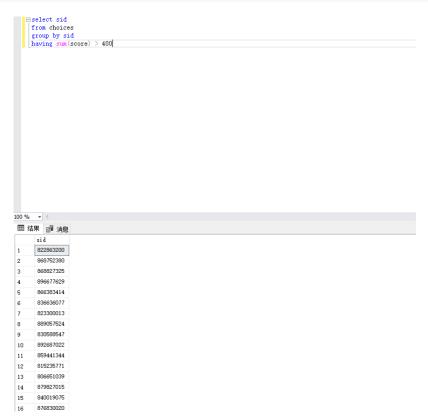
(3)查询课时<88(小时)的课程的编号;

```
select cid
from courses
where hour < 88
```



(4)请找出总分超过400分的学生;

```
select sid
from choices
group by sid
having sum(score) > 400
```



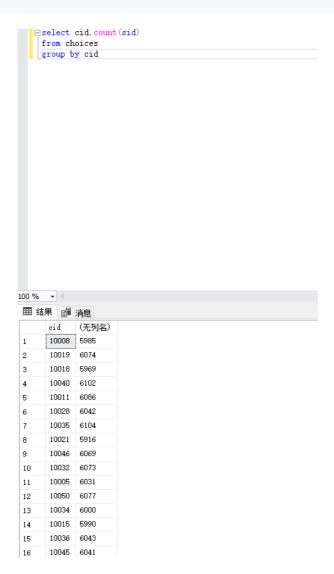
(5)查询课程的总数;

```
select count(cid)
from courses
select count(cid)
from courses
```



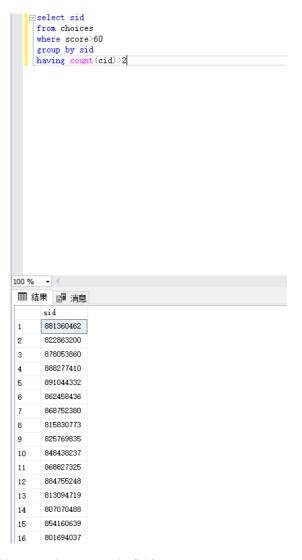
(6)查询所有课程和选修该课程的学生总数;

select cid,count(sid)
from choices
group by cid



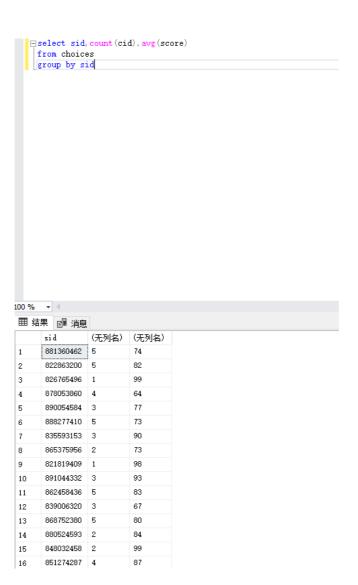
(7)查询选修成绩超过60的课程超过两门的学生编号;

select sid
from choices
where score>60
group by sid
having count(cid)>2



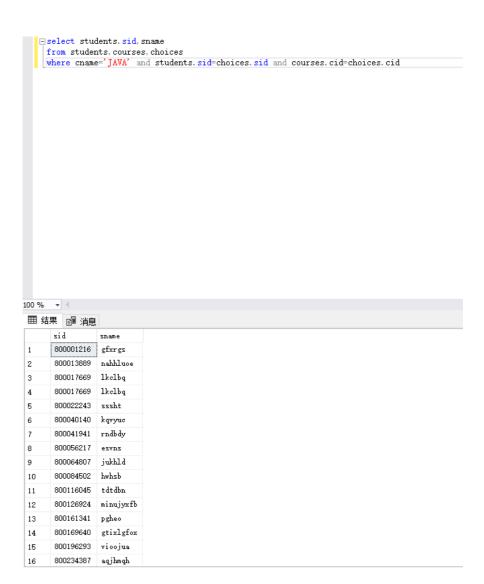
(8)统计各个学生的选修课程数目和平均成绩;

```
select sid,count(cid),avg(score)
from choices
group by sid
```



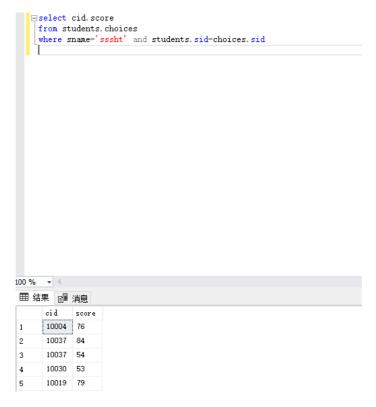
(9)查询选修Java的所有学生的编号及姓名;

```
select students.sid,sname
from students,courses,choices
where cname='JAVA' and students.sid=choices.sid and
courses.cid=choices.cid
```



(10)查询姓名为ssht的学生所选的课程的编号和成绩;

```
select cid,score
from students,choices
where sname='sssht' and students.sid=choices.sid
```



(11)查询其他课时比课程C++多的课程的名称;

```
select y.cname
from courses as x,courses as y
where x.cname='C++' and x.hour < y.hour</pre>
```

