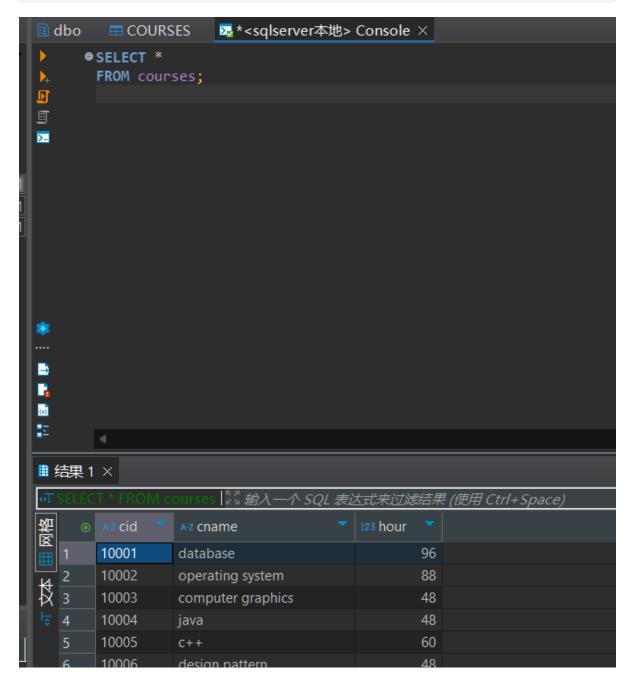
姓名: 胡瑞康 学号: 22336087

- students (sid, sname , email , grade)
- teachers (tid, tname, email, salary)
- courses (cid, cname, hour)
- choices (no, sid, tid, cid, score)

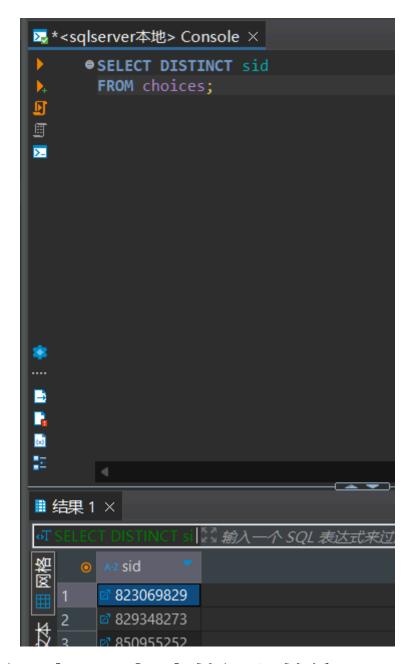
(1)查询全部课程的详细记录;

SELECT *
FROM courses;



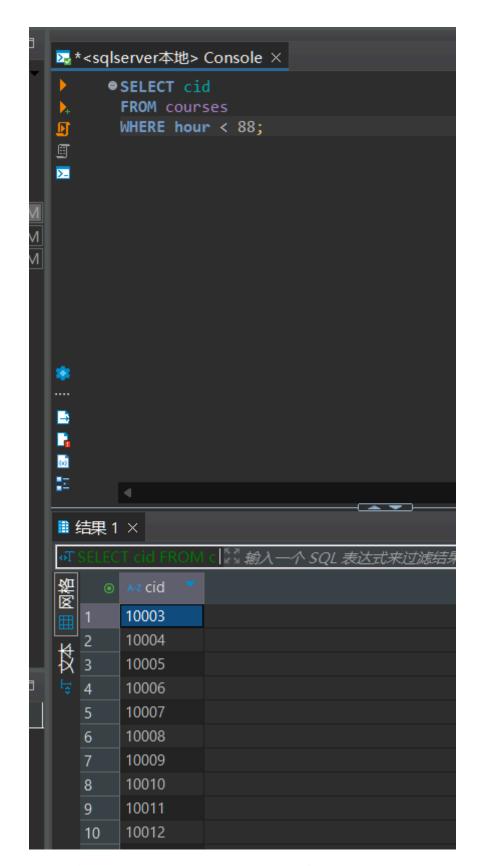
(2)查询所有有选修课的学生的编号;

SELECT DISTINCT sid FROM choices;



(3)查询课时<88(小时)的课程的编号;

SELECT cid
FROM courses
WHERE hour < 88;



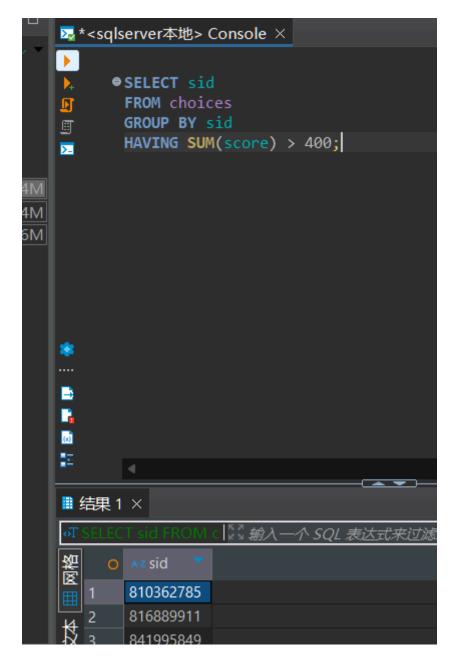
(4)请找出总分超过400分的学生;

```
SELECT sid

FROM choices

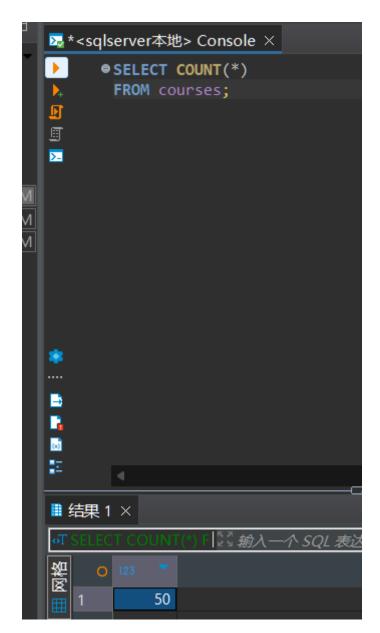
GROUP BY sid

HAVING SUM(score) > 400;
```



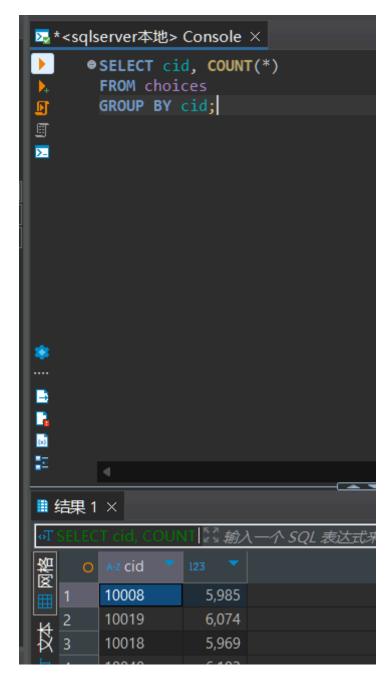
(5)查询课程的总数;

```
SELECT COUNT(*)
FROM courses;
```



(6)查询所有课程和选修该课程的学生总数;

SELECT cid, COUNT(*)
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;

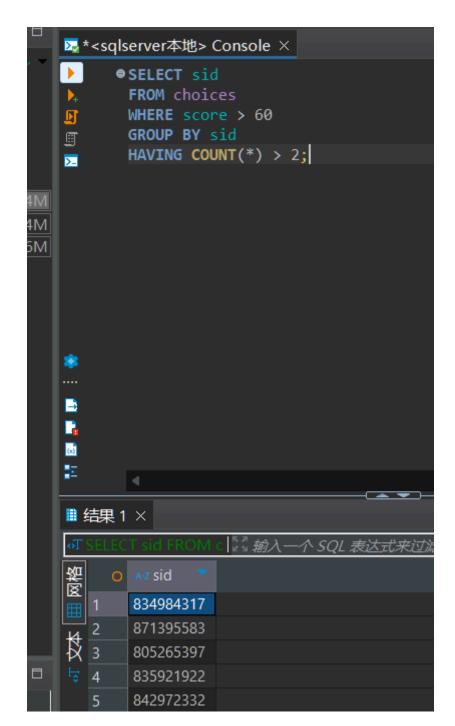
```
SELECT sid

FROM choices

WHERE score > 60

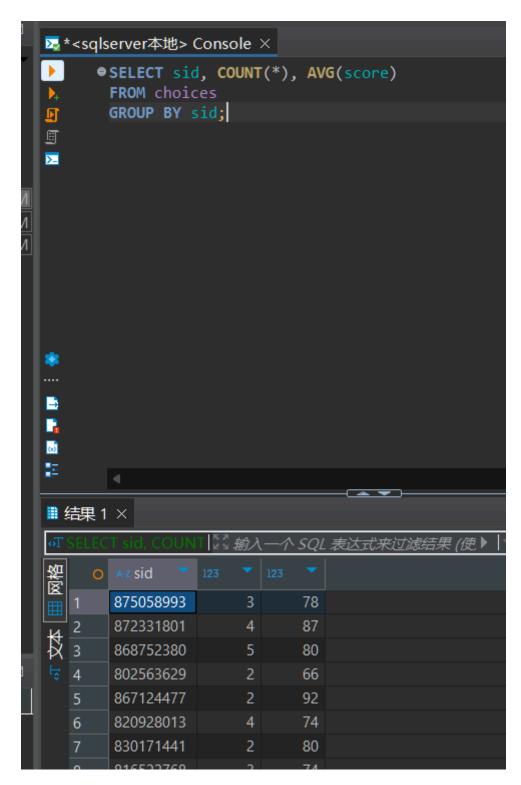
GROUP BY sid

HAVING COUNT(*) > 2;
```



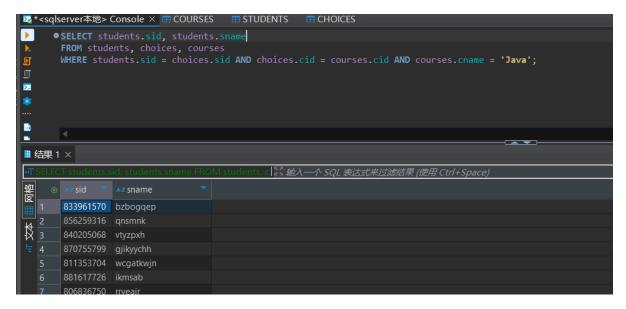
(8)统计各个学生的选修课程数目和平均成绩;

SELECT sid, COUNT(*), AVG(score)
FROM choices
GROUP BY sid;



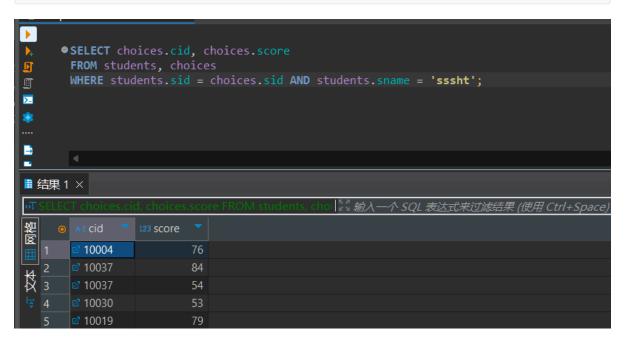
(9)查询选修Java的所有学生的编号及姓名;

```
SELECT students.sid, students.sname
FROM students, choices, courses
WHERE students.sid = choices.sid AND choices.cid = courses.cid AND courses.cname
= 'Java';
```



(10)查询姓名为sssht的学生所选的课程的编号和成绩;

```
SELECT choices.cid, choices.score
FROM students, choices
WHERE students.sid = choices.sid AND students.sname = 'sssht';
```



(11)查询其他课时比课程C++多的课程的名称

