

# 实验八

本次实验操作比较复杂，利用一下中间结果可以提高运行效率

## 执行下面的语句：

```
create table test8_01 as
select * from (
  select dname, round(avg(max_score) ,0) avg_os_score
  from pub.STUDENT natural join (
    select sid, max(score) max_score
    from pub.STUDENT_COURSE a, pub.COURSE b
    where a.CID = b.CID and b.NAME = '操作系统'
    group by sid)
  where dname is not null
  group by dname
)natural join(
  select dname, round(avg(max_score) ,0) avg_ds_score
  from pub.STUDENT natural join (
    select sid, max(score) max_score
    from pub.STUDENT_COURSE a, pub.COURSE b
    where a.CID = b.CID and b.NAME = '数据结构'
    group by sid)
  where dname is not null
  group by dname
)
```

```
create table test8_02 as
select SID, NAME, DNAME, ds_score, os_score
from pub.STUDENT natural join (
  select sid, max(score) os_score
  from pub.STUDENT_COURSE natural join pub.COURSE
  where NAME = '操作系统'
  group by sid ) natural join (
  select sid, max(score) ds_score
  from pub.STUDENT_COURSE natural join pub.COURSE
  where NAME = '数据结构'
  group by sid)
where DNAME = '计算机科学与技术学院'
```

```
create table test8_04 as
select sid, name, dname, (
  select max(score)
  from pub.STUDENT_COURSE natural join pub.COURSE
  where name='数据结构' and sid=pubs.sid
) ds_score, (
```

```

select max(score)
from pub.STUDENT_COURSE natural join pub.COURSE
where name='操作系统' and sid=pubs.sid
) os_score
from pub.STUDENT pubs
where dname = '计算机科学与技术学院'
group by sid,name,dname

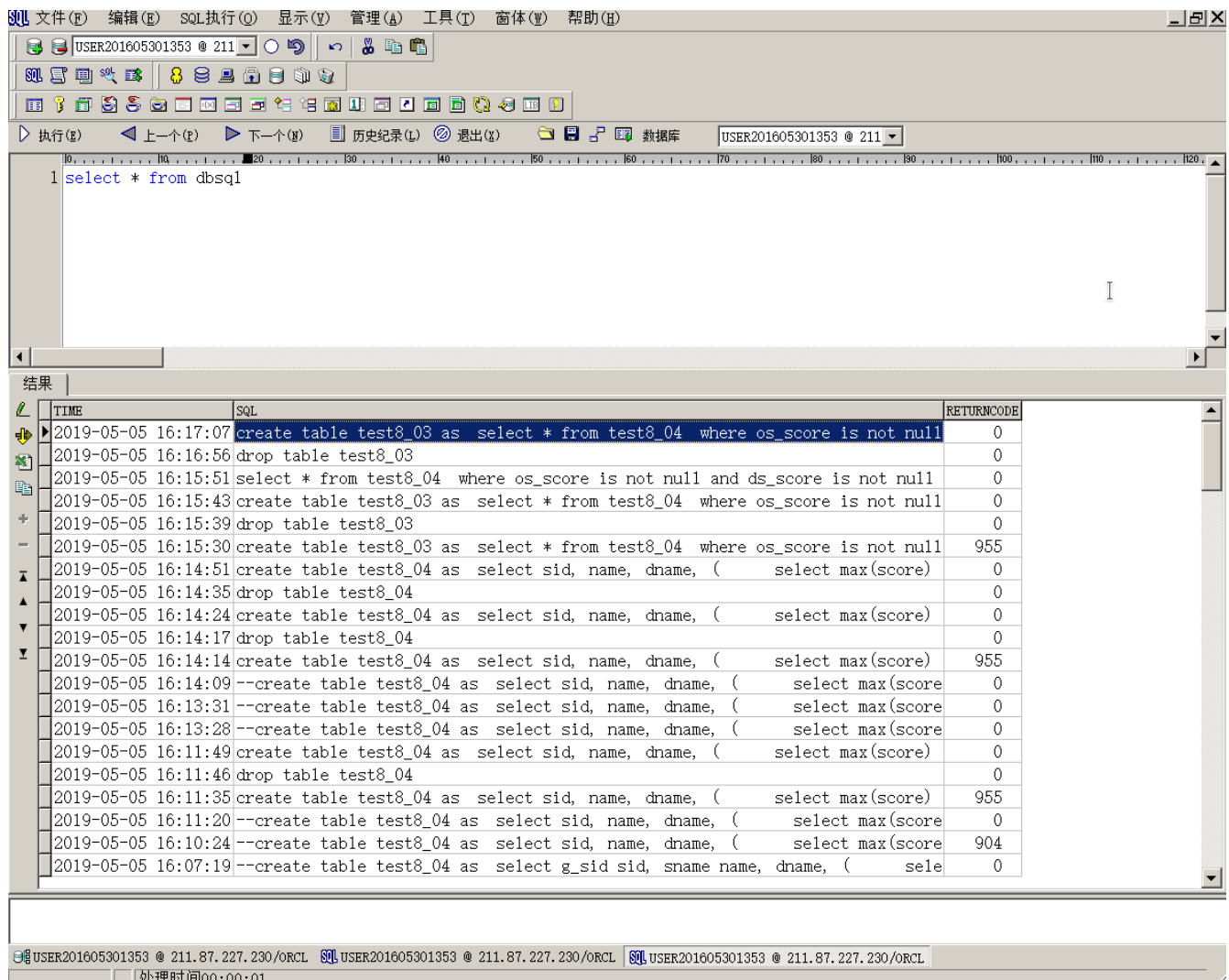
```

```

-- 先运行 test8_04 再运行这一个
create table test8_03 as
select * from test8_04
where os_score is not null or ds_score is not null

```

## 截图：



The screenshot shows an SQL execution tool interface. The main window displays a list of SQL statements and their execution results. The results are shown in a table with columns for TIME, SQL, and RETURN CODE.

TIME	SQL	RETURN CODE
2019-05-05 16:17:07	create table test8_03 as select * from test8_04 where os_score is not null	0
2019-05-05 16:16:56	drop table test8_03	0
2019-05-05 16:15:51	select * from test8_04 where os_score is not null and ds_score is not null	0
2019-05-05 16:15:43	create table test8_03 as select * from test8_04 where os_score is not null	0
2019-05-05 16:15:39	drop table test8_03	0
2019-05-05 16:15:30	create table test8_03 as select * from test8_04 where os_score is not null	955
2019-05-05 16:14:51	create table test8_04 as select sid, name, dname, ( select max(score)	0
2019-05-05 16:14:35	drop table test8_04	0
2019-05-05 16:14:24	create table test8_04 as select sid, name, dname, ( select max(score)	0
2019-05-05 16:14:17	drop table test8_04	0
2019-05-05 16:14:14	create table test8_04 as select sid, name, dname, ( select max(score)	955
2019-05-05 16:14:09	--create table test8_04 as select sid, name, dname, ( select max(score)	0
2019-05-05 16:13:31	--create table test8_04 as select sid, name, dname, ( select max(score)	0
2019-05-05 16:13:28	--create table test8_04 as select sid, name, dname, ( select max(score)	0
2019-05-05 16:11:49	create table test8_04 as select sid, name, dname, ( select max(score)	0
2019-05-05 16:11:46	drop table test8_04	0
2019-05-05 16:11:35	create table test8_04 as select sid, name, dname, ( select max(score)	955
2019-05-05 16:11:20	--create table test8_04 as select sid, name, dname, ( select max(score)	0
2019-05-05 16:10:24	--create table test8_04 as select sid, name, dname, ( select max(score)	904
2019-05-05 16:07:19	--create table test8_04 as select g_sid sid, sname name, dname, ( sele	0

The bottom status bar shows the user is logged in as USER201605301353 @ 211.87.227.230/ORCL. The processing time is 00:00:01.