实验七

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 test7_01 as
  select substr(a.NAME,2) first_name, count(*) frequency
  from pub.STUDENT a, pub.STUDENT b
  where substr(a.NAME,2) = substr(b.NAME,2)
  group by a.SID, a.NAME
```

```
create table test7_02 as
 select letter, count(*) frequency from (
  (select substr(name, 3, 1) letter from pub.STUDENT
  where substr(name, 3, 1) is not null)
  union
  (select substr(name, 2, 1) letter from pub.STUDENT)
 ) join (
  (select substr(name, 3, 1) letter from pub.STUDENT
  where substr(name, 3, 1) is not null)
  union all
  (select substr(name, 2, 1) letter from pub.STUDENT)
 )
 using (letter)
 group by letter
```

```
-- 创建表并计算 p_count
create table test7_03 as
select dname, class, 0 p_count1, 0 p_count2, count(*) p_count
from pub.STUDENT natural left outer join (
 select sid, sum(credit) sum_credit
 from pub.student_course natural join pub.course
 group by sid)
where dname is not null
group by dname, class;

-- 计算 p_count1
update test7_03 set p_count1=(
select count(*) p_count1
from pub.STUDENT natural left outer join (
 select sid, sum(credit) sum_credit
 from pub.student_course natural join pub.course
 where score >= 60
 group by sid)
where sum_credit >= 10 and dname is not null
group by dname, class
```

```
having dname=test7_03.dname and class=test7_03.class);

-- 计算 p_count2
update test7_03
set p_count2 = p_count-p_count1;
```

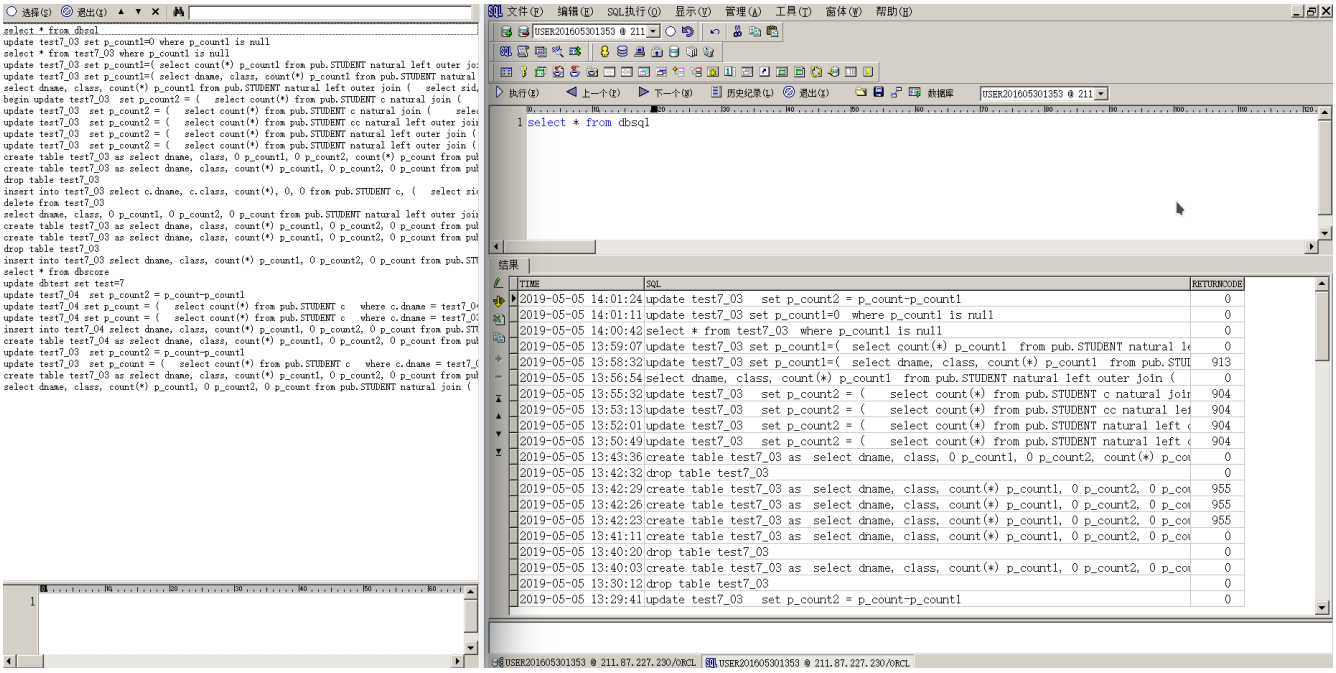
```
-- 创建表并计算 2008 以前的 p_count1
create table test7_04 as
select dname, class, count(*) p_count1, 0 p_count2, 0 p_count
from pub.STUDENT natural join (
 select sid, sum(credit) sum_credit
 from pub.student_course natural join pub.course
 where score > 59
 group by sid)
where sum_credit >= 8 and to_number(class) <= 2008 and dname is not null
group by dname, class;

-- 计算 2008 以后的 p_count1
insert into test7_04
select dname, class, count(*) p_count1, 0 p_count2, 0 p_count
from pub.STUDENT natural join (
 select sid, sum(credit) sum_credit
 from pub.student_course natural join pub.course
 where score > 59
 group by sid)
where sum_credit >= 10 and to_number(class) > 2008 and dname is not null
group by dname, class;

-- 计算 p_count
update test7_04
set p_count = (
 select count(*) from pub.STUDENT c
 where c.dname = test7_04.dname and c.class = test7_04.class
 group by c.dname, c.class
);

-- 计算 p_count2
update test7_04
set p_count2 = p_count-p_count1;
```

截图：


select * from dbsql
update test7_03 set p_count1=0 where p_count1 is null
select * from test7_03 where p_count1 is null
update test7_03 set p_count1=(select count(*) p_count1 from pub.STUDENT natural left outer
update test7_03 set p_count1=(select dname, class, count(*) p_count1 from pub.STUDENT natural
select dname, class, count(*) p_count1 from pub.STUDENT natural left outer join (select zid,
begin update test7_03 set p_count2 = (select count(*) from pub.STUDENT c natural join (
update test7_03 set p_count2 = (select count(*) from pub.STUDENT c natural join (
update test7_03 set p_count2 = (select count(*) from pub.STUDENT cc natural left outer
update test7_03 set p_count2 = (select count(*) from pub.STUDENT natural left outer join (
update test7_03 set p_count2 = (select count(*) from pub.STUDENT natural left outer join (
create table test7_03 as select dname, class, 0 p_count1, 0 p_count2, count(*) p_count from pub
create table test7_03 as select dname, class, count(*) p_count1, 0 p_count2, 0 p_count from pub
drop table test7_03
insert into test7_03 select c.dname, c.class, count(*), 0, 0 from pub.STUDENT c, (select zi
delete from test7_03
select dname, class, 0 p_count1, 0 p_count2, 0 p_count from pub.STUDENT natural left outer
create table test7_03 as select dname, class, count(*) p_count1, 0 p_count2, 0 p_count from pub
create table test7_03 as select dname, class, count(*) p_count1, 0 p_count2, 0 p_count from pub
drop table test7_03
insert into test7_03 select dname, class, count(*) p_count1, 0 p_count2, 0 p_count from pub.STU
select * from dbscore
update dbtest set test=7
update test7_04 set p_count2 = p_count-p_count1
update test7_04 set p_count = (select count(*) from pub.STUDENT c where c.dname = test7_0
update test7_04 set p_count = (select count(*) from pub.STUDENT c where c.dname = test7_0
insert into test7_04 select dname, class, count(*) p_count1, 0 p_count2, 0 p_count from pub.STU
create table test7_04 as select dname, class, count(*) p_count1, 0 p_count2, 0 p_count from pub
update test7_03 set p_count2 = p_count-p_count1
update test7_03 set p_count = (select count(*) from pub.STUDENT c where c.dname = test7_(
create table test7_03 as select dname, class, count(*) p_count1, 0 p_count2, 0 p_count from pub
select dname, class, count(*) p_count1, 0 p_count2, 0 p_count from pub.STUDENT natural join (
文件(F) 编辑(E) SQL执行(Q) 显示(V) 管理(A) 工具(T) 窗体(W) 帮助(H)
USER201605301353 @ 211
执行(E) 上一个(P) 下一个(N) 历史纪录(L) 退出(X) 数据库
结果
TIME SQL RETURNCODE
2019-05-05 14:01:24 update test7_03 set p_count2 = p_count-p_count1 0
2019-05-05 14:01:11 update test7_03 set p_count1=0 where p_count1 is null 0
2019-05-05 14:00:42 select * from test7_03 where p_count1 is null 0
2019-05-05 13:59:07 update test7_03 set p_count1=(select count(*) p_count1 from pub.STUDENT natural 0
2019-05-05 13:58:32 update test7_03 set p_count1=(select dname, class, count(*) p_count1 from pub.STU 913
2019-05-05 13:56:54 select dname, class, count(*) p_count1 from pub.STUDENT natural left outer join (0
2019-05-05 13:55:32 update test7_03 set p_count2 = (select count(*) from pub.STUDENT c natural join 904
2019-05-05 13:53:13 update test7_03 set p_count2 = (select count(*) from pub.STUDENT cc natural le 904
2019-05-05 13:52:01 update test7_03 set p_count2 = (select count(*) from pub.STUDENT natural left 904
2019-05-05 13:50:49 update test7_03 set p_count2 = (select count(*) from pub.STUDENT natural left 904
2019-05-05 13:43:36 create table test7_03 as select dname, class, 0 p_count1, 0 p_count2, count(*) p_co 0
2019-05-05 13:42:32 drop table test7_03 0
2019-05-05 13:42:29 create table test7_03 as select dname, class, count(*) p_count1, 0 p_count2, 0 p_co 955
2019-05-05 13:42:26 create table test7_03 as select dname, class, count(*) p_count1, 0 p_count2, 0 p_co 955
2019-05-05 13:42:23 create table test7_03 as select dname, class, count(*) p_count1, 0 p_count2, 0 p_co 955
2019-05-05 13:41:11 create table test7_03 as select dname, class, count(*) p_count1, 0 p_count2, 0 p_co 0
2019-05-05 13:40:20 drop table test7_03 0
2019-05-05 13:40:03 create table test7_03 as select dname, class, count(*) p_count1, 0 p_count2, 0 p_co 0
2019-05-05 13:30:12 drop table test7_03 0
2019-05-05 13:29:41 update test7_03 set p_count2 = p_count-p_count1 0
USER201605301353 @ 211.87.227.230/ORCL
USER201605301353 @ 211.87.227.230/ORCL