8-2

create table test8\_02

( sid char(12),

name varchar2(10),

dname varchar2(30),

ds\_score numeric(10, 1),

os\_score numeric(10, 1)

insert into test8\_02(sid,name,dname)

(select sid,name,dname

from pub.STUDENT natural join pub.STUDENT\_COURSE

where dname='计算机科学与技术学院' and cid=(select cid

from pub.COURSE where name='数据结构')

intersect

select sid,name,dname

from pub.STUDENT natural join pub.STUDENT\_COURSE

where dname='计算机科学与技术学院' and cid=(select cid

from pub.COURSE where name='操作系统'))

update test8\_02 t

set ds\_score=(select max(score)

from pub.STUDENT\_COURSE natural join pub.COURSE

where pub.STUDENT\_COURSE.sid=t.sid and name='数据结构'

group by sid)

update test8\_02 t

set os\_score=(select max(score)

from pub.STUDENT\_COURSE natural join pub.COURSE

where pub.STUDENT\_COURSE.sid=t.sid and name='操作系统'

group by sid)

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create table test8\_03

( sid char(12),

name varchar2(10),

dname varchar2(30),

ds\_score numeric(10, 1),

os\_score numeric(10, 1) )

insert into test8\_03(sid,name,dname)

(select sid,name,dname

from pub.STUDENT natural join pub.STUDENT\_COURSE

where dname='计算机科学与技术学院' and cid=(select cid

from pub.COURSE where name='数据结构')

union

select sid,name,dname

from pub.STUDENT natural join pub.STUDENT\_COURSE

where dname='计算机科学与技术学院' and cid=(select cid

from pub.COURSE where name='操作系统'))

update test8\_03 t

set ds\_score=(select max(score)

from pub.STUDENT\_COURSE natural join pub.COURSE

where pub.STUDENT\_COURSE.sid=t.sid and name='数据结构'

group by sid)

update test8\_03 t

set os\_score=(select max(score)

from pub.STUDENT\_COURSE natural join pub.COURSE

where pub.STUDENT\_COURSE.sid=t.sid and name='操作系统'

group by sid)

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create table haha as select max(score) max\_score,sid

from pub.STUDENT\_COURSE natural join pub.COURSE

where name='数据结构'

group by sid

create table test8\_01(dname varchar(20),avg\_ds\_score int,avg\_os\_score int)

insert into test8\_01(dname)

select distinct dname

from pub.STUDENT

where dname is not null

update test8\_01 t

set avg\_ds\_score=(select round(avg(max\_score),0)

from pub.STUDENT natural join haha

where t.DNAME=pub.student.dname

group by dname);

update test8\_01 t

set avg\_os\_score=(select round(avg(max\_score),0)

from pub.STUDENT natural join ha

where t.DNAME=pub.student.dname

group by dname);