3-1

create table test3\_01 as select sid,name,sex,age,birthday,dname,class

from pub.STUDENT\_31

where substr(sid,1,1) in ('0','1','2','3','4','5','6','7','8','9')

and substr(sid,2,1) in ('0','1','2','3','4','5','6','7','8','9')

and substr(sid,3,1) in ('0','1','2','3','4','5','6','7','8','9')

and substr(sid,4,1) in ('0','1','2','3','4','5','6','7','8','9')

and substr(sid,5,1) in ('0','1','2','3','4','5','6','7','8','9')

and substr(sid,6,1) in ('0','1','2','3','4','5','6','7','8','9')

and substr(sid,7,1) in ('0','1','2','3','4','5','6','7','8','9')

and substr(sid,8,1) in ('0','1','2','3','4','5','6','7','8','9')

and substr(sid,9,1) in ('0','1','2','3','4','5','6','7','8','9')

and substr(sid,10,1) in ('0','1','2','3','4','5','6','7','8','9')

and substr(sid,11,1) in ('0','1','2','3','4','5','6','7','8','9')

and substr(sid,12,1) in ('0','1','2','3','4','5','6','7','8','9')

//这些数字要加单引号。

3-2

create table test3\_02 as select sid,name,sex,age,birthday,dname,class

from pub.STUDENT\_31

where extract(year from birthday)=2012-age;

3-3

create table test3\_03 as (select sid,name,sex,age,birthday,dname,class

from pub.STUDENT\_31

where sex in('男','女'))

union

(select sid,name,sex,age,birthday,dname,class

from pub.STUDENT\_31

where sex is null);

3-4

select sid,name,sex,age,birthday,dname,class

from pub.STUDENT\_31

where instr(dname,' ')=0 and length(dname)>2

minus

select sid,name,sex,age,birthday,dname,class

from pub.STUDENT\_31

where dname is null;

//oracle中没有except语句，而是minus，且不用加括号

3-5

create table test3\_05 as select sid,name,sex,age,birthday,dname,class

from pub.STUDENT\_31

where length(class)=4;

3-6

（select \* from pub.STUDENT\_31 where regexp\_like(sid,'^[0-9]+[0-9]$')）

intersect

(select \*

from pub.student\_31

where age = 2012 - extract(year from birthday))

intersect

(select \*

from pub.student\_31

where sex in ('男','女')

or sex is null)

intersect

(select \* from pub.STUDENT\_31

minus

((SELECT \* FROM pub.student\_31 where REGEXP\_LIKE(dname, '( )+'))

union

(select \* from pub.student\_31 where dname is null)

union

(select \* from pub.student\_31 where length(dname)<3)))

intersect

(select \* from pub.STUDENT\_31 where substr(class,5,1) is null)

intersect

(select \* from pub.STUDENT\_31

minus

((SELECT \* FROM pub.student\_31 where REGEXP\_LIKE(name, '( )+'))

union

(select \* from pub.student\_31 where length(name)<2)))

3-7

create table test3\_07 as select \*

from pub.STUDENT\_COURSE\_32

where sid in (select sid

from pub.STUDENT);

3-8

create table test3\_08 as select sid, cid, score, tid

from pub.STUDENT\_COURSE\_32 natural join pub.TEACHER\_COURSE

3-9

create table test3\_09 as select \*

from pub.STUDENT\_COURSE\_32

where instr(score,'-')=0 and score<101;

3-10

create table test3\_10 as select \*

from test3\_07 natural join test3\_08 natural join test3\_09

where cid in (select cid from pub.COURSE) and tid in (select tid from pub.TEACHER);