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3.9 解 employee (ID, person_name, street, city)

works (ID, company_name, salary)

company (company_name, city)

manages (ID, manager_id)

a. select e.ID, e.person-name, e.city
from employee e, works w
where e.ID = w.ID and w.company-name = 'First Bank Corporation'

b. select e.ID, e.person-name, e.city
from employee e, works w
where e.ID = w.ID and w.company-name = 'First Bank Corporation'
and w.salary > 10000

C. select ID from employee
minus
select ID from works where company_name = 'First Bank Corporation'

d. select ID
from works w,
(selet max(salary) ms from works
where company_name = 'Small Bank Corporation')
where w.salary > ms

e. select company_name from company
where city in (select city from company
where company_name = 'Small Bank Corporation')

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f. select w.company_name
from (select max (count_id) m_c_id from (
select company_name, count (ID) count_id
from works
group by company_name)), works w
where w.salary = m-c-id

g. select company_name
from (select avg (salary) avg_s , company_name
from company
group by company_name),
(select avg (salary) avg_s_F
from company
where company_name = ' First Bank Corporation ')
where avg_s > avg_s_F

3-10

a. update employee
set city = ' Newtown '
where ID = ' 12345 '

b. update works
set salary = salary * 1.03
where salary > 100 000 ;
update works
set salary = salary * 1.1
where salary <= 100000 ;

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3.16. employee (ID, person_name, street, city)

works (ID, company_name, salary)

company (company_name, city)

manages (ID, manager_id) 图 3-19

a. select e.ID, e.person-name

from employee e, works w, company c

where e.ID = w.ID and c.company_name = w.company_name

and e.city = c.city

b. select ee.ID, ee.person-name

from employee ee, employ em, managers m

where ee.ID = m.ID and em.ID = m.manager_id

and ee.street = em.street and ee.city = em.city

c. select ID, person_name

from works w1, (select company-name, avg (salary) a-s

from works

group by company_name) w2

where w1.company_name = w2.company_name

and w1.salary > w2.a-s

d. select company_name

from works

group by company-name

having sum(salary) =

(select min(s-s) from (select sum(salary) s-s

from works group by company_name))

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3.17

a. update works
set salary = salary * 1.1
where ID in (select m.ID from manages m, works w
where m.ID = w.ID
and w.company_name = 'First Bank Corporation')

b. update works
set salary = salary * 1.1
where ID in (select w.ID from works w, manages m
where w.ID = m.manager-id
and w.company_name = 'First Bank Corporation')

c. delect from works w, manages m
where w.ID = m.ID
and w.company_name = 'Small Bank Corporation'

3.18 create table employee (
ID char(5) not null,
person_name varchar2(50),
street varchar2(100),
city varchar2(100),
primary key (ID)) ;
creatte table works (
ID char(5) not null,
person_name varchar2(50)
salary int ,
primary key (ID), foreign key (company_name))

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```
Create table company (
    company_name  varchar2(50)  not null,
    city  varchar2(50),
    primary key (company_name));
Create table manages (
    ID    char(5)  not null,
    manager_id  char(5),
    primary key (ID) )
```

3.21 member (memb_no , name)
book (isbn, title , author, publisher)
borrowed (memb_no , isbn , date)

a.
```
select  memb_no  name
from  member m , book bk , borrowed bd
where  m.memb_no = bd.memb_no  and  book.isbn = bd.isbn
    and  bk.publisher = 'McGraw-Hill'
```

b.
```
select  memb_no ,  name
from  member m
where  not exists ( select isbn from book
    where  publisher = 'McGraw-Hill'
    minus
    selett isbn from borrowed
    where  memb_no = m.memb_no );
```

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C. select m, memb-no, m, name
from book bk, borrowed bd, member m
where book. isbn = borrowed. isbn and bd. memb_no = m. memb_no
group by publisher
having count(bd, memb-no) >5

d. Select ((select count(*) from borrowed)/
(select count(*) from member))
from dual