数据库作业Week3

3.8

a. Find the ID of each customer of the bank who has an account but not a loan

```
(select ID
from deposior)
except
(select ID
from loan);
```

b. Find the ID of each customer who lives on the same street and in the same city as customer '12345'.

```
select
from customer as A, customer as B
where A.customer_street = B.customer_street and
A.customer_city = B.customer_city and
B.ID = '12345';
```

c. Find the name of each branch that has at least one customer who has an account in the bank and who lives in "Harrison".

```
select distinct branch_name
from customer natural join account natural join depositor
where customer_city = 'Harrison';
```

3.9

a. Find the ID, name, and city of residence of each employee who works for "First Bank Corporation".

```
select ID,name,city
from employee natural join works
where company_name = 'First Bank Corporation';
```

b. Find the ID, name, and city of residence of each employee who works for "First Bank Corporation" and earns more than \$10000.

```
select ID,name,city
from employee natural join works
where company_name = 'First Bank Corporation' and salary > $10000;
```

c. Find the ID of each employee who does not work for "First Bank Corporation".

```
select ID
from works
where company_name <> 'First Bank Corporation';
```

d. Find the ID of each employee who earns more than every employee of "Small Bank Corporation".

e. Assume that companies may be located in several cities. Find the name of each company that is located in every city in which "Small Bank Corporation" is located.

f. Find the name of the company that has the most employees (or companies, in the case where there is a tie for the most).

g. Find the name of each company whose employees earn a higher salary,on average, than the average salary at "First Bank Corporation".