```
branch(branch_name, branch_city, assets)
customer (ID, customer_name, customer_street, customer_city)
loan (loan_number, branch_name, amount)
borrower (ID, loan_number)
account (account_number, branch_name, balance)
depositor (ID, account_number)

Figure 3.18 Banking database.
```

```
mysql> select ID

-> from customer as C
-> where C.ID in (select ID from borrower) and
-> C.ID not in (select ID from depositor);

b.

mysql> select ID
-> from customer as C
-> where (C.customer_street, C.customer_city) in
-> (select customer_street, customer_city from customer where ID='12345');

c.

mysql> select distinct branch_name
-> from branch natural join account natural join depositor natural join customer
-> where customer_city='Harrison';

3.15.
```

```
branch(branch_name, branch_city, assets)
customer (ID, customer_name, customer_street, customer_city)
loan (loan_number, branch_name, amount)
borrower (ID, loan_number)
account (account_number, branch_name, balance)
depositor (ID, account_number)
```

Figure 3.18 Banking database.

a.

```
mysql> select customer_name
   -> from customer natural join depositor natural join account natural join branch
   -> where branch_name='every' and branch_city='Brooklyn';
b.
mysql> select sum(amount)
   -> from loan;
```

```
mysql> select A.branch_name
   -> from branch as A
   -> where A.assets>
   -> (select min(B.assets) from
   -> (select * from branch where branch_city='Brooklyn') as B);
```

```
employee (ID, person_name, street, city)
                    works (ID, company_name, salary)
                    company (company_name, city)
                    manages (ID, manager_id)
a.
mysql> update works
    -> set salary=salary*1.1
-> where company_name='First Bank Corporation'
b.
mysql> update works
    -> set salary=salary*1.1
    -> where works. ID in (select ID from manages);
C.
mysql> delete from employee
       where employee. ID in
       (select ID from works where company_name='Small Bank Corporation');
mysql> delete from manages
    -> where manages.ID in
    -> (select ID from works where company_name='Small Bank Corporation');
mysql> delete from works
    -> where company_name='Small Bank Corporation'
```