```
create table branch
        (branchID int auto_increment not null,
         branchName varchar(25),
         branchCity varchar(25),
         assets numeric(10,2) check(assets > 0),
         primary key (branchID)
        ) Engine=InnoDB;

create table customer
        (customerID int auto_increment not null,
         customerName varchar(30),
         customerStreet varchar(25),
         customerCity varchar(25),
         primary key (customerID)
        ) Engine=InnoDB;

create table loan
        (loanNumber int auto_increment not null,
         branchID int,
         amount numeric(10,2) check(amount > 0),
         primary key (loanNumber),
         foreign key (branchID) references branch (branchID) on delete set null
        ) Engine=InnoDB;

create table borrow
        (customerID int,
         loanNumber int,
         primary key (customerID,loanNumber),
         foreign key (customerID) references customer (customerID) on delete cascade,
         foreign key (loanNumber) references loan (loanNumber) on delete cascade
        ) Engine=InnoDB;

create table account
        (accountNumber int auto_increment not null,
         branchID int,
         balance numeric(10,2),
         primary key (accountNumber),
         foreign key (branchID) references branch (branchID) on delete set null
        ) Engine=InnoDB;

create table depositor
        (customerID int,
         accountNumber int,
```

```
        primary key (customerID, accountNumber),
        foreign key (customerID) references customer (customerID) on delete cascade,
        foreign key (accountNumber) references account (accountNumber) on delete cascade
       ) Engine=InnoDB;

insert into branch values(Null, 'Uptown', 'Chicago', 15000);
insert into branch values(Null, 'Downtown', 'Miami', 18000);
insert into branch values(Null, 'Northside', 'Chicago', 20000);
insert into branch values(Null, 'Central', 'New York', 20000);
insert into branch values(Null, 'Downtown', 'Chicago', 15000);

insert into customer values(Null, 'Taylor Swift', 'Adams Ave', 'Chicago');
insert into customer values(Null, 'Jim Halpert', '55th Street', 'Chicago');
insert into customer values(Null, 'John Doe', 'Metropolitan Ave', 'New York');
insert into customer values(Null, 'Jane Doe', 'NW 20th St', 'Miami');
insert into customer values(Null, 'Tony Montana', '25th St', 'Miami');

insert into loan values(Null, 1, 20000);
insert into loan values(Null, 2, 50000);
insert into loan values(Null, 1, 12000);
insert into loan values(Null, 5, 5000);
insert into loan values(Null, 2, 30000);

insert into borrow values(1,1);
insert into borrow values(2,2);
insert into borrow values(2,3);
insert into borrow values(4,4);
insert into borrow values(5,5);

insert into account values(Null, 1, 9450.53);
insert into account values(Null, 1, 4137.06);
insert into account values(Null, 2, 1188.95);
insert into account values(Null, 4, 248.14);
insert into account values(Null, 4, 26723.85);

insert into depositor values(1,1);
insert into depositor values(2,2);
insert into depositor values(3,3);
insert into depositor values(4,4);
insert into depositor values(5,5);
```

A.)

```
select branchName from branch where branchCity = 'Chicago';
```

B.)

```
select loanNumber from loan where amount > 10000;
```

C.)

```
select customerName from customer, account, depositor
        where customer.customerID = depositor.customerID and
        account.accountNumber= depositor.accountNumber and account.balance > 6000;
```

D.)

```
select customerName from customer, branch, loan, borrow
        where branch.branchID = loan.branchID and customer.customerID = borrow.customerID
        and loan.loanNumber = borrow.loanNumber and branch.branchName = "Downtown";
```

E.)

```
select customerName from customer, account, depositor, branch, loan, borrow
        where customer.customerID = depositor.customerID and
        account.accountNumber= depositor.accountNumber and account.balance > 6000
        and branch.branchID = loan.branchID and customer.customerID = borrow.customerID
        and loan.loanNumber = borrow.loanNumber and branch.branchName = "Uptown";
```