Create the following Class structure.

Class Structure
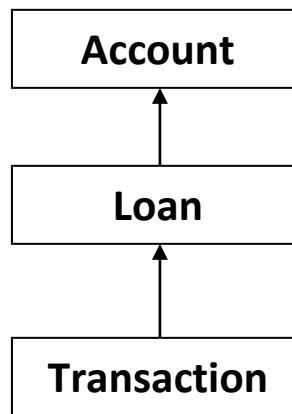
```
┌─────────────────┐
│    Account      │
└─────────────────┘
         ▲
         │
┌─────────────────┐
│      Loan       │
└─────────────────┘
         ▲
         │
┌─────────────────┐
│   Transaction   │
└─────────────────┘
```

Account
accountId
accountName
Address
depositAmount
getDetails()
showDetails()

Loan
loanId
loanType
loanAmount
getLoan()
showLoanDetails()

Transaction
Amount
depositAmount()
withdrawAmount()
payLoan()
showAccountDetails()

Consider the above class diagram with the inheritance relationship. Create the classes with mentioned attributes and do the followings

1. Create array of Account which stores 10 different account details with Loan details if required

2. Perform the transactions like deposit, withdrawal and pay Loan on that account which you have been added in the array.

3. accountId → 7digit followed by 4 chars ex [1234567-ASDF]

4. accountName, → Alphabet (First char caps , etc..)

5. loanType → Any one of the type (home, car, education…)