

```

import java.util.LinkedList;

public class Customer {
    String name;
    String password;
    LinkedList<Account> accounts = new LinkedList<Account>();
}

public class Account {
    int number;
    Customer owner;
    double balance;
}

public class BankingService {
    LinkedList<Account> accounts = new LinkedList<Account>();
    LinkedList<Customer> customers = new LinkedList<Customer>();

    public void addAccount(Account newA) {
        this.accounts.addFirst(newA);
    }

    public double getBalance(int forAcctNum) {
        for (Account acct:accounts) {
            if (acct.number == forAcctNum)
                return acct.balance;
        }
        return 0;
    }

    public double withdraw(int forAcctNum, double amt) {
        for (Account acct:accounts) {
            if (acct.number == forAcctNum) {
                acct.balance = acct.balance - amt;
                return amt;
            }
        }
        return 0;
    }

    public String login(String custname, String withPwd) {
        for (Customer cust:customers) {
            if (cust.name.equals(custname)) {
                if (cust.password.equals(withPwd)) {
                    return "Welcome";
                } else {
                    return "Try Again";
                }
            }
        }
        return "Oops -- don't know this customer";
    }
}

public static void main(String[] args) {
    BankingService B = new BankingService();
    Customer kCust = new Customer("kathi", "cs18");
    Account kAcct = new Account(100465, kCust, 150);
    B.addAccount(kAcct);
    System.out.println("Kathi's balance is " + kAcct.balance);
    B.withdraw(100465, 30);
    System.out.println("Kathi's balance is " + kAcct.balance);
}

```