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package iusb.C201.bank.analysis;

import java.util.Scanner;

import iusb.C201.bank.transaction.account;

import java.io.*;
import java.util.ArrayList;

public class transactionAnalysis {
    private String transactionDB;
    private ArrayList<transactionRecord> transactions;

    public transactionAnalysis(String transactionDB) {
        /*
        * Your code goes here (1). Assign transactionDB to transactionDB (2).
Allocate
        * spaces for transactions, which is an ArrayList of transactionRecord
        */
        this.transactionDB = transactionDB;
        transactions = new ArrayList<transactionRecord>();
    }

    public void loadDB() throws IOException {
        /*
        * Your code goes here (1) Open file transactionDB (2) Read all
records. For
        * each record, create an object of transactionRecord and add it to the
        * ArrayList (transactions) (3) Close the file stream (Scanner)
        */
        File file = new File(transactionDB);
        Scanner inFile = new Scanner(file);

        while (inFile.hasNext()) {
            int act = inFile.nextInt();
            char type = inFile.next().charAt(0);
            double amount = inFile.nextDouble();
            String time = inFile.next();

            transactionRecord TR = new transactionRecord(act, type, amount,
time);
            transactions.add(TR);
        }
        inFile.close();
    }

    public void listTransactions() {
        /*
        * Your code goes here 1. Ask user to enter an account number 2.
Display all the
        * transaction records of that account in the ArrayList
        */
        Scanner input = new Scanner(System.in);
        System.out.println("Enter an account number: ");
        int accountNumber = input.nextInt();

        for (transactionRecord account : transactions) {
            if (accountNumber == account.getActnum()) {

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        System.out.printf("%d %s %.2f %s \n", account.getActnum(),
account.getType(), account.getAmount(),
        account.getTime());
    }
}

public void listAllTransactions() {
    /*
    * Your code goes here Display all the transaction records in the
ArrayList
    */
    for (transactionRecord TR : transactions) {
        System.out.printf("%d %s %.2f %s \n", TR.getActnum(),
TR.getType(), TR.getAmount(), TR.getTime());
    }
}
}

```