Today I went to an interview with the Cleartrip software company. For the first round programming, we need to build a mini bank application.

In the question paper they clearly mentioned that no data persistence is required.

* Create an account
* Deposit money
* Withdraw money, honor daily withdrawal limit.
* Check the balance

This is what I did on my own, and I was getting rejected.

import java.util.Scanner;

public class CreateAccount {

int accountid;

String accountantname;

String IFSCcode;

public CreateAccount(int accountid,String accountantname,String IFSCcode){

this.accountid = accountid;

this.accountantname = accountantname;

this.IFSCcode = IFSCcode;

}

/\*//adding deposit money with the balance

public double despositMoney() throws MiniumAmountDeposit{

double Currentbalance = 0.00;

Scanner scn = new Scanner(System.in);

System.out.println("please enter the deposit amount");

double Depositamount = scn.nextDouble();

Currentbalance += Depositamount ;

System.out.println("your currentbalance="+Currentbalance);

return Currentbalance;

}\*/

//withdrawl money and set daily withdrawl limit

public void WithdrawMoney() throws InsufficientBalException, MiniumAmountDeposit{

double Currentbalance = 0.00;

Scanner deposit = new Scanner(System.in);

System.out.println("please enter the deposit amount");

double Depositamount = deposit.nextDouble();

Currentbalance += Depositamount ;

System.out.println("your currentbalance="+Currentbalance);

/\*double Currentbalanace = despositMoney();\*/

//setDaily Withdrawl limit

final double setDailyLimit = 2500.00;

Scanner withDraw = new Scanner(System.in);

System.out.println("please enter the withdraw amount");

double WithdrawMoney =withDraw.nextDouble();

if(Currentbalance < WithdrawMoney)

System.out.println("you have less amount : your current balance is="+Currentbalance);

else if (WithdrawMoney > setDailyLimit)

System.out.println("you have entered amount exceed than daily limit : your dailyLimit="+setDailyLimit);

else

Currentbalance -= WithdrawMoney;

System.out.println("your current balance is="+Currentbalance);

}

/\*public void setWithdrawlLimit()throws exceedLimit{

Scanner scn = new Scanner(System.in);

System.out.println("please enter the withdraw amount");

double enterAmount = scn.nextDouble();

double DailysetLimit = 2500;

if(enterAmount>DailysetLimit)

System.out.println("you have exceed daily limit : your dailyLimit"+DailysetLimit);

}\*/

public String toString(){

return "accountid="+this.accountid + "accountantname="+this.accountantname + "IFSCcode="+this.IFSCcode;

}

public static void main(String[] args){

CreateAccount account = new CreateAccount(1234455533,"samy","ICIC09");

System.out.println("you have created account : " +account);

/\*

try {

account.despositMoney();

} catch (MiniumAmountDeposit e) {

// TODO Auto-generated catch block

e.printStackTrace();

}\*/

try {

account.WithdrawMoney();

} catch (InsufficientBalException | MiniumAmountDeposit e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

/\*try {

account.setWithdrawlLimit();

} catch (exceedLimit e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

\*/

}

}

Solution:

1.Naming Convensions are not followed.

2.All the functionality is carried in a single method

3.Exception classes are not defined.

**package** com.demo.bank;

**import** java.util.Scanner;

**public** **class** CreateAccount {

**int** accountId;

String accountName;

String IFSCcode;

**double** balance;

**double** amount ;

**public** CreateAccount (**int** accountId, String accountName, String IFSCcode, **double** balance){

**this**. accountId = accountId;

**this**. accountName = accountName;

**this**.IFSCcode = IFSCcode;

**this**.balance=balance;

}

**public** **int** getAccountId() {

**return** accountId;

}

**public** String getAccountName() {

**return** accountName;

}

**public** **void** setAccountName(String accountName) {

**this**.accountName = accountName;

}

**public** String getIFSCcode() {

**return** IFSCcode;

}

**public** Double getBalance() {

**return** balance;

}

**public** **void** setBalance(Double balance) {

**this**.balance = balance;

}

@Override

**public** String toString() {

**return** "CreateAccount [accountId=" + accountId + ", accountName="

+ accountName + ", IFSCcode=" + IFSCcode + ", balance=" + balance

+ "]";

}

//withdrawl money and set daily withdrawl limit

**public** **void** WithdrawMoney() {

System.***out***.println("your currentbalance="+balance);

Scanner withDraw = **new** Scanner(System.***in***);

System.***out***.println("please enter the withdraw amount");

balance -= amount ;

**final** **double** setDailyLimit = 2500.00;

**double** WithdrawMoney =withDraw.nextDouble();

**if**(balance < WithdrawMoney)

System.***out***.println("you have less amount : your current balance is="+balance);

**else** **if** (WithdrawMoney > setDailyLimit)

System.***out***.println("you have entered amount exceed than daily limit : your dailyLimit="+setDailyLimit);

**else**

balance -= WithdrawMoney;

System.***out***.println("your current balance is="+balance);

}

**public** **void** DepositAmount(){

System.***out***.println("please enter the deposit amount");

Scanner deposit = **new** Scanner(System.***in***);

balance+=amount;

System.***out***.println("your current balance is="+balance);

}

**public** **static** **void** main(String[] args){

CreateAccount account = **new** CreateAccount(1234455533,"samy","ICIC09",50000);

System.***out***.println("you have created account : "+account);

account.WithdrawMoney();

//account.DepositAmount();

}

}