Pro Do

	Alek arane v T
	1 Lab program I
easy (s	Revelope Java program to create class Bank that mainte
	2 hinas of accounts for its customers, one called saving
	account and other current account. Savings account
	provides compound interest and withdrawal facilities to
	no cheque facilities. The aurunt account provides chique
	book Excitices but no interest. Current account holders
	should also murdain minimum balance and y balance
(1. E. 1.	talls below this livel, service charge is imposed.
Joent :	Greate account class Account that stones customer name,
	account number and type of account, From this derive
	dasses cur-acet and sov-acet to make them more specie
	to their order to achieve collowing tasks:
	(a) Accept deposit Errom austomes & update balance
	(b) Display balance
	(C) compute & deposit interest
	(d) Permit hithdrawal & update balance
No.	Creck con minimal balance, impose penalty is necessary
	update the balance.
	- Carlotte and the second and the se
	import java. util. Scanner;
	class Account [
	String custName;
	String accNum;
All s	double deposit;
	double balance;
remonths.	double withdrawal Amt;
	the month course care a paper.
	void getal) []
	Scannor & = new Scanner (System in);
- 1	System. out printer ("Enter austoner name");

System, out, p deposit = Se balance = a System, out 3 Void putd() System, a System, a System, a System, a	printin (c. next Intilia println l" c. next Doub c. next Doub cleposit; t. println out. print out. print	"Enter au ne(); Enter de ble(); (); (); un ("Custor in ("Acco	ner ran	nount"); ne: "+ cust No	ame)j	
System, out, accNum = Sc System, out, deposit = Sc balance = o System. out 3 Void putd() System. o System. o	printin (c. next Intilia println l" c. next Doub c. next Doub cleposit; t. println out. print out. print	"Enter au ne(); Enter de ble(); (); (); un ("Custor in ("Acco	ner ran	nount"); ne: "+ cust No	ame)j	
System, out, accNum = Sc System, out, deposit = Sc balance = o System. out 3 Void putd() System. o System. o	printin (c. next Intilia println l" c. next Doub c. next Doub cleposit; t. println out. print out. print	"Enter au ne(); Enter de ble(); (); (); un ("Custor in ("Acco	ner ran	nount"); ne: "+ cust No	ame)j	
System, out, p deposit = Se balance = a System, out 3 Void putd() System, a System, a System, a System, a	printent" c.rextDoub deposit; t. printen cut. print out. print	enter de blel); In ("Custor In ("Account);	ner ran	nount"); ne: "+ custN. mber: "+ acch	ame)j	
System, Out, p deposit = Se balance = o System, out 3 Void putd() System, o System, o System, o System, o	println!" c.rextDout deposit; t.println cut.print cut.print	Enter de blel); (1); In ("Custor In (" Acco	ner ran	ne: "+ custing mber: "+ acch		
deposit = Se balance = o System. out Joid putd() System. o System. o System. o System. o	c.rextDoub deposit; t. println) { out. print out. print	en l"Custor un (" Acco	ner pan	ne: "+ custing mbea: "+ acch		
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System. out 3 Void putd() System. o System. o System. o	eut, print out, print out, print	en l"Custor en (" Acco	ner han	ne: "+ custing mber: "+ acco		
Yold putd() System. o System. o System. o	out, print	en l'austor	ner han	ne: "+ custing		
System. C System. C	out, print	in l"Custor in l" Acco	ner han	ne: "+ custin, mbea: "+ acch		
System. C System. C	out, print	in l"Custor in l" Acco	ner han	ne: "+ custin, mbea: "+ acch		
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System, c	out, printe	w1); 5	Schools No. 1323	Maria 1860		
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ing lanes.		1 - 3 11 - 517				
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class auxict extends Account English washall less						
void balance Check () E						
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System. out , printer ("You have less than minimum balance! \$500 95 bits to						
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	System, putd() System Scann With bala	System, out . print putd(); System. aut . print Scanner sc = n NithdrawalAm balance - = hxl	System, out . printin ("Curr putd(); System. aut . printin ("Ente Scannia sc = new Scannia Withdrawal Ant = Gc. nex balance - = hithdrawal An balance Check();	System, out printer ("Current acc putd(); System. act printer ("Enter anceur Scanner sc = new Scanner (System NithdrawalAnt = sc. nextDouble(balance - = hethdrawalAnt; balance Check();	System, out . printen [" Current account details putd(); System. aut . printen ("Enter amount to be with Scanner sc = new Sanner (System. in); withdrawalAnt = sc.nextDouble(); balance - = nethdrawalAnt;	

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	g Succession Manual 12
	1340
	Class SavAcc extends Account {
	void interest (alc l) 2
	balance = balance + (0.07 * balance);
	void calc Display Balance () [
1,100	Scarry & = non Scarry
	Stanner & = new Scanner (system, in);
	System. out. printer!" Swings account details"); putd();
	System, out printly ("Enter amount to be hithdrawn"
	mance == with downer and a
	balance -= Nithdrawal Amt ::
AL.	System. Out. println ("Balance before addition of
	interest (acc):
	System. out. printen ("Balance after addition of
	interest: "+ balance);
	System. out. println();
	3
	3
	∉
	class bank [
	public static void main (storing args []) [
	Scanner Sc = New Scanner (System. in);
	storing according;
	siptem out printer ("Enter account type (savings
	account / account account)");
2.	acctype = 4. nextlinel);
	if (accorage, equals ("savings account"))) ?
1 11 11	SavAcc sacc = new 'SavAcc();

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	sacc. calc Risplay Balance();	0
	3	
	cles is (actype, equals ("Current account	t")) [
	CUARCO CACO = new Curacol);	
	cacc.getal);	ind desired
	cacc. calcaisplay Balancel);	1,
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	else 1	1
	System. out, printer l'Enter a valid	account type ");
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	Output 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*
ic much	Enter type of account (Savings account / Corner	t account)
	Savings account	Comment
	Enter austomes hame	
b separa	Sinchaura Sandas Maria de la companio	17
	Enter astomer account number	Ď.
	123AB43C	
	Enter deposit amount	6
	25000	
		五.
	Savings account details:	Name of the state of
	aestomer name: Suichana	enáma d
	Account number: 123ABy3C	
	South stations	
en seed a	Enter amount to be withdrawn	0
La (arma)	10000	14
	Balance before addition of interest: 15000	0.0
3	Balance after addition of interest: 16058	
	Super Street of the Stoket	(0)/10/12
	Chine and a second	a feet of angle of

```
import java.util.Scanner;
class Account {
       String custName;
       String accNum;
       double deposit;
       double balance;
       double withdrawalAmt;
       void getd() {
       Scanner sc = new Scanner(System.in);
       System.out.println("Enter the customer name");
       custName = sc.nextLine();
       System.out.println("Enter the customer account number");
       accNum = sc.nextLine();
       System.out.println("Enter the deposit amount");
       deposit = sc.nextDouble();
       balance=deposit;
       System.out.println();
       }
       void putd() {
       System.out.println("Customer name: "+custName);
       System.out.println("Account number: "+accNum);
       System.out.println();
       }
}
class CurAcct extends Account {
       void balanceCheck() {
               if (balance<=1000) {
                       System.out.println("You have less than minimum balance! 500rs deducted");
```

```
balance-=500;
               }
       }
        void calcDisplayBalance() {
               System.out.println("Current account details");
               putd();
               System.out.println("Enter amount to be withdrawn");
               Scanner sc = new Scanner(System.in);
               withdrawalAmt = sc.nextDouble();
               balance-=withdrawalAmt;
               balanceCheck();
               System.out.println("Balance (after checking with minimum balance): "+balance);
               System.out.println();
       }
}
class SavAcct extends Account {
        void interestCalc() {
        balance=balance+(0.07*balance);
       }
        void calcDisplayBalance() {
        Scanner sc = new Scanner(System.in);
        System.out.println("Savings account details");
        putd();
        System.out.println("Enter amount to be withdrawn");
        withdrawalAmt = sc.nextDouble();
        balance-=withdrawalAmt;
        System.out.println("Balance before addition of compound interest: "+balance);
        interestCalc();
        System.out.println("Balance after compound interest addition: "+balance);
        System.out.println();
```

```
}
}
class Bank {
        public static void main(String args[]) {
                Scanner sc = new Scanner(System.in);
                String accType;
                System.out.println("Enter the type of account (Savings account or Current
account)");
                accType = sc.nextLine();
                if (accType.equals("Savings account")) {
                        SavAcct sacc = new SavAcct();
                        sacc.getd();
                        sacc.calcDisplayBalance();
                }
                else if (accType.equals("Current account")) {
                        CurAcct cacc = new CurAcct();
                        cacc.getd();
                        cacc.calcDisplayBalance();
                }
                else {
                        System.out.println("Enter a valid account type");
                }
       }
}
```

```
D:\1BM23CS338>java Bank
Enter the type of account (Savings account or Current account)
Savings account
Enter the customer name
Sinchana Hemanth
Enter the customer account number
123AB43C
Enter the deposit amount
25888

Savings account details
Customer name: Sinchana Hemanth
Account number: 123AB43C

Enter amount to be withdrawn
10908
Balance before addition of compound interest: 15008.0
Balance before addition of compound interest: 16050.0

D:\1BM23CS338>java Bank
Enter the type of account (Savings account or Current account)
Current account
Enter the customer name
Sinchana Hemanth
Enter the customer account number
567NH70BS
Enter the deposit amount
15000

Current account details
Customer name: Sinchana Hemanth
Account number: S67NH70BS

Enter namount to be withdrawn
10000
Vou have less than minimum balance! 500rs deducted
Balance (after checking with minimum balance): 500.0
```