LAB-5

Develop a Tova program do viente a class Bank that maintains two kinds of account for its customers, one called savings account and the other awarent account . The Saving account provider Compound interest and withdrawn facilities but no cheque book facility The current account provider chique book pailty but no interest account holders should also maintain a minimum balance and if the balance fells below this livel a service charge is impossed-

- buate a class, Account that Stores customer From this derive the days Cur-acct and Sax-act to make them more specific to their requirements. Include the necessary methods in order to achieve the following

· a) Suifit defrosit from customer and update the balance.

a) Permit withdrawal and update the balance

Chuck for the minimum balance, impose penalty if necessary and updale the balance.

Salvo! imposed Josa util"; String type; account (String name, ent no , String Void disposit (double amount) id withdraw (double amount)

if (balance - amount) >0)

balance -- amount

clsc

System. Out. pountln("Insufficient
balance";

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in the same of the	void diflay () { System and printen ("Name:" + customer - name + "In" + "account number: "+ acc - no + "In" + type" + type + "In" + "Balance: "+ balance);
	System and printen ("Name." +
	customer - name + "In" + " account
	number: + acc-not m" + tube"
	+ type + ") n' + "Balance: "+ balance);
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3	
	Class Sax acco extende account?
	Private Static double grate = 2; Sav-ace (String mame, intacc_no, double balance)
	Sav-ace (String mame, intacc_no,
	double balance.)
	Super (marne, acc-no, "Sarvings", balara)
	3
	Void interest()
	{
7,4	balance + = balance (hate)/100
	balance + = balance* (hate)/100 System. Out. pountint" balance: + balance 3
-	3
3	
	clays with - acc extends account?
	wir acc (Sling more, int acc-no
	double balance
	clavs curri-acc externs account? wir acc (String name, int acc-no, double balance)
	3 Super (name, acc. no "aovent", balone
	3

Private double minbal = 850; private double service charge = 100; Void chickment System out println Subtracted from public class bank Stic Static void main (String Scanner S = new Sanner System System out pounden (String name "Enly th Println

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AL CONTRACTOR	account Number 1):
	int acc no = S mentant)
	System out printen ("Enter the initial balance: ")
-	balance: ')
	double balance: 5. nextDouble ():
	int ch;
	double amount 1, amount 2'
	account acc = new account (nam acc-no,
	Sav-acc sa: type, balance):
	Cull-acc Ca =
	Sov-acc sa = new Sov-acc (name, acc
	balance:
	works a = new love acc (name,
	acc-mo, balance):
	while (tun)
,	c
	if Cacc. type. Equals ("Sarvings"))
	§ 1
	System out puntln ['In Nunu In 1. Deposit In 2. withdraw 3. Inbust 4. Display"): Ch; S. mid Port():
	1. Deposit In 2. witholeans 3. Inbust
	4. Display");
F)1	ch; S. mid Ent ():
	Switch (ch.)
	Core 1: System. out. println ("Enter the amount:"):
	the amount:
	amount 1 25. next Ent () Sa. cliposit Camount 1); brusk;
	Sa diposit Camounts:
	bruak;

Case 2 ! System. out punten (" l'oler the amount"); Case 3: Sa interest() Case 4: Sa disfilary () default : System out. clu. Ch : S. nesitant (): amount 1 - S. mest Ent();

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	Ca. deposit (amounts);
	Ca. diposit (amounts); briak;
	(ast 2! System, out pountln ("Enter
	the amount:
	amounts: 5. next Int ():
	Ca withdraw Camounts);
	ca checkmin();
	bruak;
,	
	Case 3! Ca. disfilay ();
	Case 3 ! Ca. dufilay (); bruak ;
	default: System. oud prunter ("Porvalid infruit"); System. Exit (o):
1	Sulver Exit (a)
	· System College
	9
7	
9	
-	
<u>-></u>	OUTPUT
	Enter the name! Shall
	e 1 10 tible (Culdum / Sarings)
	0 0 0 0 0 0 0 0 0 0
	Enter the initial balance 2000
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Minus Defrait 2. withdraw 3 display Enter the chaice Enter the amount: 4000 Minu 1. Detrosit 2. witholrand 3. deploy Enter the amount: 200 Minu Deparet 2 wilhdraw 3. display Enly the chaice Name: Shores account No: 5556 Tupe: wound balance: 5800.0