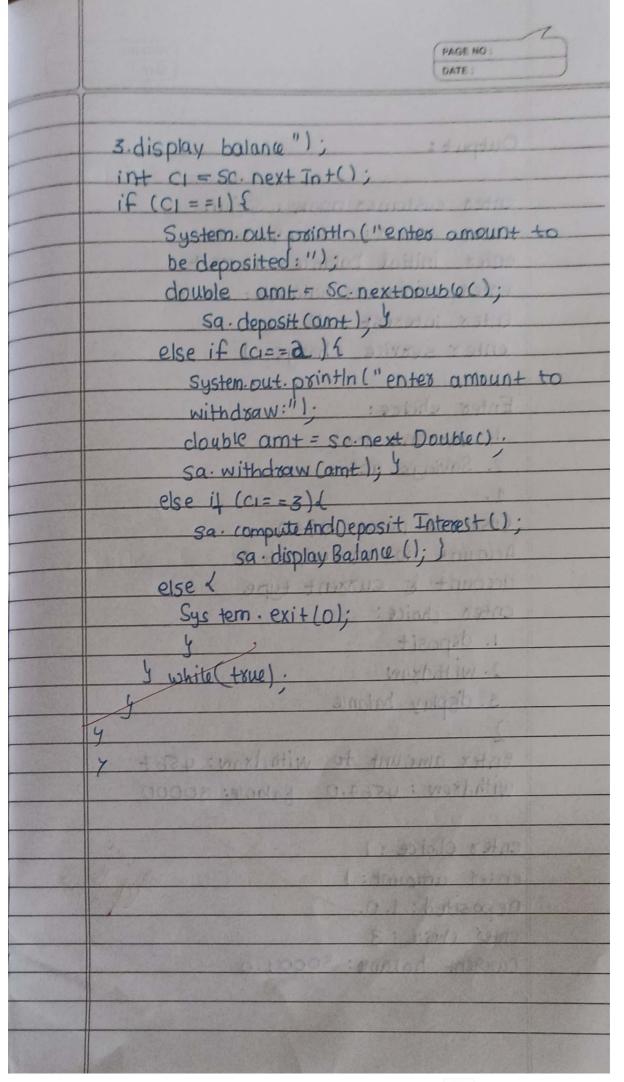
PAGE NO DATE : LAB program 5: Develop a java program to create a Bank class that maintains two kinds of account for its customers, one called savings account and the other current account. The savings account provides compound interest and withdrawal facilities but no cheque book facility. The current account provides cheque book facility but no interest current account holders should also maintain a minimum balancan if the balance falls below this level, a service change is imposed create a class Account that Stoxes customes name, account number and type of account. From this derive the classes cur-acct and savact to make them more specific to their requirement. Include the necressary methods in order to achoin the jodowing tasks. a) Accept deposit from customers and approate the balance b) Display the balance c) Compute and deposit interest d) Permit withdraws and update the balance e) check for the minimum balance, impose penalty if necessary and update the bollance.

PAGE NO : DATE import java. util. scanner; class Account & private String customer name; private int acc_no; protected double balance; public Account (String customer name) int acc no, double balance 1 & this customer name = customer name; this according = accino; this balance = balance; public double get Balance (17 retien balance; neight double interest tothe public vold deposit (clouble amount) { remain if (amount >0) fine silding balance += amount; System. out printin t" Deposited:" + amount); the else & system.out Println ("Deposit amount
must be positive.");

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	public vold withdraw (doub	(amount)
	if (amount < = get Balance	1(1)
	System. out println ('amount + "balang is	Withclasew:
	A PORT OF THE PROPERTY OF THE	n
ABAY	System out pointln ("Ins	ufficient fun
	public void display Balance	()6
	System out printing (11 Cu balance);	18vent Balance
	I TO WOOD OUR OWN THE	
	samples muly	9
	class Savings Account extends Account	1+5
	private double interest Rate:	
	Annonio Pour Discorde Diav sildur	,
	public Savings Account (String custon	restrano, int
F:bal	account Number, double initial bo	lane, double
	initial Balance);	Number,
	this interpolate interior Det	
+ select	THE LANG TO THE SECTION	
	Ma (Maria of 4 mm	
	Public void compute And Deposit I	n to 20,5%) 2
	Clouble interest = 9ctBalanel 1 * into	rest Rot / 100
	de posit linterest).	
11		

PAGE NO class Current Account extends Account private double minimum Balano; private double service charge; public current Account (String customer Namo, int account Number, double initialBalance, clouble minimum Balance, double service charge Super(customer Name, account Name, initial Ba this minimum Balane = minimum Balance; this - service though = service warse. public class Bank { public Static void main (String (7 angs)x Scanner Sc = New Scanner (System.in). SOP (" (UStomer nane: 11); String name = sc. next line(); SOP (" enter initial barance:"). clouble halance = Sc. nex-1 Double. SOP ("enter interest rate: "); double interest - rate = sc. Oex+Double)-SOP 1" Enter Choice: In 1. current accin 2. Savings acc 1); int ch = Sc. nex+. In+(); SOP !! Cust name: "+ hane +"In Accronumber: " + a copo + " \n").

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	Switch (ch)	
1	SWITCH (Ch No 20 Male of 1997)	Que !
	case(1):	9
	SOPINAMONAL COM	4
Dennis ()	SOP!"account is curre CurrentAccount ca = ne	of type"
- AND NOTE OF THE PARTY OF THE		w x
IN MANUAL	Current Account (name minimum babnes servi	, accoa, bolo
A so paris	minimum babnes servi	a charge).
- Units	int c = co. next int ().	
370	ca check Minimum Bahr	Va (1.
	if (c==) &	
	SOP("enter:")	
1	clouble amt = Sc.	Devt have
1980	ese if (c = =2) {	1. 4
7.67		
-	SOP ("enter am	ount:").
	double ant = sc.1	1399 mod + xex
	(Canal con it (C) - 21	
	escij ((==3))	
	ca. display Bala	no(); 9
1 34	System exit (0):	
1925	9 while (true);	
	COUCE 1	
	Case (2):	
- 4:36 1	System, out. Oxin 10 1110	avinos Lung 1).
	Savings Account Sa = new	Savinas
	# crount iname, acono, ha	Janco interestro
	and System out print In	("enter
	Choice: In 1. deposit In	2. withdraw
No. of Concession, Name of Street, or other party of the Concession, Name of Street, or other pa		



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Output:	
HI COAM AND THE	
entex customes name: Sujan	
entex accno: 12344667	
enter initial balance: 34567	
enter minimum balance: 1000	
enter interest rate: 2	
enter service chance 1	
enter service charge: 1	1
Enter choice:	\
1. Curvent acc	1
2. Savings acc.	
	1
Customer name: Sujan	
Account no: 12344667	
account is cuoxent type	
enter choice:	
1. deposit	
2. withdraw	
3. display balance	
1	
entex amount to withdraw: 4567	
Withdrew: 4567.0 balane: 30000	_
enter choice:1	
enter amount:	
Deposited: 1.0	W
entes choice: 3	
Carrient balance: 30061.0	