Lab 5

Develop a Java program to create a class Bank that maintains two kinds of account for its customers, one called savings account and the other when account Create a class Account that stores customer name, account that stores customer name account number and type of account From this derive the clauses are aut and Sow-act to make them more specific to their 8 equirement.

import java util Scanner;

class account { String name; int accno; String type;

double balance;

account (String name, int accno, String type, double balance) this name = name;

His a ceno = aceno; this type = type;

this balance = balance;

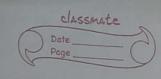
void deposit (double amount)

balance + = amount;

void withdraw (double amount)

(Coalance amount) >=0)

E balance = -= amount;



System out println (" Theolficient balance, can't withdrie) void display U System out printen ("Name: "tramet" In Accord" + accord + "InType: " + type + " in Balance: " + balance, savAcct extends account d

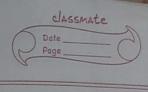
private static double rate = 5;

savAcct (String name, int accno, double balance) Clau Super(name, accno, "Savings" balance); void interest () System out printly ("Ralance:"+ balance); private double mitbal =500;
private double service (harges =50; wx Acit (String name, int auno, double balance) super (name, accno, "Conord", hadanie);

void checkmin ()

{

if Chalance < min Bal) System out pointin C' Balance is less than min balance service charges imposed : "+ service Charge balance -= service(harges) System out print In ("Balance is: " + balance); public static void main (Bring asqs[]) Sanner s=new Sanner (system-in) System. out. println ("Enter the name, type (current/savings), account number, initial balances; "); String name = S. next (); String type = sinext() int accno = c-nextInt(); double balance = s.next Double (); double amount 1, amount 2; account acc = new account (name, accno, type, balance); savefict sa = new savefict (name, acono, balance); our Acet ca = new cur Acet (name, acano, babance); cohile (true) { it (acc. type. equals ("savings"))d System out println ("Menuln 1. deposit 2. withdraw 3: compute interest 4. display"); Getern out prinths ("Enler the choice:"); ch - (next Int 1);



Cuithe switch (ch){ case 1: System out printly ("Enter the amount :"); amount = snextInt (); ca · deposit (amount 1); break; Case 2: 1 System.out printin ("Enter the amount;"). amount 2 = S. next Int Wi sa. withdraw (amount); break; oue 3: sa interest () sa. display (); break; care 5: System exit (0); System. out. printlin (" Invaled input"); break ; System-out-print/n ("Menotin1. Deposit 2-Withdraw & Diplay") System out println (" Entex the choice: "); ch = c. nextIntu; switch (ch) Cast 1: System out printly (" Enter the amount:"); amount 1 = c. nextInt ();

Ca. deposit (amount 1);

. System.out. printly ("Enter the amount:"); amount = snext Int (); ca withdraw (amount 2); ca-checkimin(); br cak;

Couse 3:

ca. dis play (); break;

case 4:

System. exit (0);

System out print ("Invalid input");

Output:

Enter the name, type corrent (saving), account number, initial balan Shreyas

saving

123

50000

1. Deposit 2 Withdraw 3. Compute interest 4. Display

Enter the amount:

2. Deposit 2. withdraw 3. compute Interest 4. Display Enter the amount: Menv: 1. Deposit 2-Withdraw 3. Compute Interest 4. Display Balanu: 57225-0 Menu: 1. Deposit 2. Withdraw 3. Compute Interest 4. 12:5 play Enter the choice: Name: Shreyas Accno: 123 Type: Savings Balanu: 57225.0 Enter the chara mame, type Current (sowing), accountnumber initial balance. Shreyas & current 101 500000 1. déposit 2- withdrays 2. display Enter the choice Enter the amount:

1. deposit 2-withdraw 3-display
Enter the choice: Enter the amount: 500 2-deposit 2-withdraw Z-display Enter the choice: Acno: 101

Type: Current

Balance: 5 out500,0 USN=18M22CS272 (1-11200)