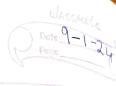
SHLOR I YER 18M22CS260

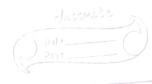


I) Develop a jour program to create a dans Bank that maintains two rinds of account har its customers, one call Savings account and the other current account. The saving account fravides compound interest and withdrawal have but no cheque book facility. The current account provides chaque book facility but no interest current account hold should also maintain a minimum balance and if the balance fails below this level, a service charge is in import java. util. x; class account String name: int accoun; String typeace! double balance; account (String name, int account, String typeace, do ble this, name = name; this, account account; this. typeacc - typeacc; this balance = balance, public void deposit (double account) balance +- amount; System. out. Println ("peposit Successful, Update & bolone :"+bolance);

public void withdraw (double amount)

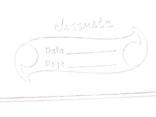
	Alexandro
	3
	if (balance-amount >=0)
	halance ssa a hi
	System. out. Println ("The balance often
	withdrawal is : "+ balance);
	2
	else
	\(\)
	System. out. println ("Insufficient funds");
	{
	3
	Public void display ()
	5
	System. out. Println(" Name: "+ name + " Account name:"
	+account "Type "."+ typeace+ "Balance
	t balance)
	3
(
	days savacet extends account
	private double cate=10;
	private double pare=10; Sanacet (String name, int account, String typeace, double balance)
	Super(name, accowm, typeacc, balance);
	Sul lie Di O to to
	public vold interest ()
	balance += balance * (rate/1003);
	System.out. frently ("The balance after applying an
	interest is "'t balance);
	}

class current entends account friate double minbal: 500; Private double service=10i curract (String name, int account, String typeace, double balance) Super (name, account, typeacc, balance); Public void check (double balance) if (balance < minbal) balance - Z Service; System.out.println ("Service Charge is impose Since balance is below min bal of 500") System. out- Printhol balance offen service charge! System.out.println ("No service change imposed"). days bank public Static void main (String arcs [] Stanner Sy peer Stanner (Systemin); System.out. println ("Enter your name");



Stri String name = s. next(); System. out. println ("Enter your account number: "); int account = 5, next firt (); System.out. println ("Enten the type of account (Savings Kured) String typeacc = s. nent(); System. out. println ("Enten the correct balance value") double balance=s, rentDouble (); int chi double depart, withauti account acc: new account (pame, account, typeacc, balance) Swacet 5 a z new savacet (pame, accrum, typeace, balone); current cur = new current (name, acerum, typeace, balance); while (true) of (acc. typeacc. equals ("Savings")) System. out. println ("In Menuln 1. deposit 2. withdraw 3. compote interest 4. display 5. End loop System. out . frontln ("tuber the choice"); ch=SinertInt(); Switch (ch) case 1. { System.out-println ("enter the amount:"); depart = Soment Int(); sa de pos 8+ (depant); break; } care 2: System.out, Println("enter the amount:"); without = s, nent [no(); Sa. withdraw (without); \$

care 4º (Sa, dis play (); Case 5: § System. enit(0);} default : & System. out. printho ("invalid input") break ; } System.out. println(" In Menu Is). Check penalty 2. e. doop")i System. out, println ("futer the choice"); Ch = So new Dut (); Switch (ch) Case 18 & cur. check(balance); case 2: & System. enit (6); } default " & System, out oprintln ("invalid input"); break; }



Output: Enter your rame Shuk

Enter your account number.

123

Enter the type of account (Savings/Current) Sowings

Enter the current balance value

Deposit Successful. Update balance : 2100.0

2000

Men

1. deposit 2. withdraw 3. compute interest 4. displays. end

Enter the choice

Enter the amount".

(00)

Mens

1. deposit 2. withdraw 3. compute interest 4. display 5. end loop Enter the choice

Enter the amount"

3000

Insufficient Funds

Meru 1. deposit 2. withdraw 2. compute interest 4. display 5. endloop

Enter choice

The balance often applying an interest: 2310.0

for correct account Enter your name Shlok Enter your account number: Enter the type of account (Savings/Current) Current Enter the correct balance value 200 1. Check penalty 2, end loop men Enter the choice Service charge is imposed since your balance is below minimum balance of 500 bolance offer sourice change: 190.0 11/2024