

LAB-5 July March March

5. Develop a Java program to veate a class Bank that maintains two kinds of account for its customers, one called savings account and the other current account The savings account provider compound interest & withdrawal facilities but no cheque book facility. The current account priorides cheque book facility but no interest.

> import java util . Scanner;

class Accounts String customer Name:

string accountNumber; string accountType;

double balance;

Account (string name, string acc Number,

Observations bioString acctype) ; = Jessela d'al a cut omer Name = name;

account Number = ace Number

accountType = acctype; + betto Just " balance = 0;

boid deposit (double amount) ?

balance + = amount. System out println (

"Deposited: " + amount

balance: "+ balance)

		Date Page
		void die playbalance () { void die playbalance () { void die playbalance () { Account
	-	void die playbalance () } System. out. peuinten ("Account Balance: "+ balance). y
	1	Balance: + balance)
	A REPER	1 2 10 min 10 th most
	004003333	of charles the same and the same at 1901
	1111	soid withdraw (doubte unter (" Thuil System out pourten (" Thuil
	711	
	7,,,,,	of tube.")
	1	4 of the second while second
		class SavAccount extends Account &
		Remove Situations of Goodman
		SavAccount (Struing name,
		String acchlumber
		empleemotels tomerte
		super (name, acc Number
		"Savinge");
		nongeod ideal
1	pm	ask emor privete) toward
-		toid compute
1	3 (9)	word computet nterent () {
1	1 mars	remothemote double interest =
-	bearuld 110	balance * 0.03.
	90	System. out, pountln
-		Interest added: "+
	711	interest + " balance
T	1	como es de l'accest : "+
T		(balance + interest)).
1		interest));
1	wwamp.	+ ": b shiered oct" W
1	-	boid neithdraw (double amount)
1	Sume	1 + Marine S
		p.L.
W.		

if (balance > = amount) { balance -= amount; System.out.pountln (" withdrawn, " + mount t 1. balance: "+ else {
Systemout.pointln("Insufficient
balance"); folance = an boid compound Interest (double teate, int time) {

double ci = balance * Math. pow(1+ (rate/365)},
365 * time).
System out pount ln ("compound Interest is: "+ci+ (balance +ci); class curaceount extends Account of CurAccount (strung name, String accoumber) 5 3 Super (name, accNumber t mon my friend two mores Enter a for warrent ");

Classmate Void checkMinBalance() { if (balance < 5006) { balance -= 300. Systemout printer ("Balance below minimum. Seewig charge imposed: 300" +
". updated balance."

+ balance); ") mitaried tuo moto void voithdraw (double amount); if (balance >= amount) ; balance = amount! System out println

(" neithdrauen: " +

amount +

" Updated balo ". Updated balanu!" + balance). checkMinBalance(); System.out.printles l'Insufficient balance."). balance."). Curry Count (string class Account Demo { public static void main (string [] augs) { while (toure) { Scanner sc = new Scanner (system in), systemout. println ("Enter 1 for savings in Enter 2 for current ");

int accountlype = sc. nextInt(); classmate if (accountType>=3) bruak string bank = sc. nextline(); System. out. printen (" Enter the name"); System out pount in ("Enter the Account Number;") strung accino = sc. nextline(); system out printer ("Enter 1 to deposit "). System out pount on (" Enter 2 to deposit"). System out pounten ("Enter's to deposit"); if (accounttype = = 1) { System out pointen ("Enter 4 for interest"). System out print en ("Enter 5 for compound Interiet"). Interiet"). Santuounts = new Santicount (name, aceno); vohile (touce) ? int pref = sc. rextInt(); if (pref==1) { System out pountlin ("Enter the be if (accountlype amount:"). ==2) { double amount = sc. next Double deposit s. withdraw (amount); System out . Enter 4 for Minbalanu"); w Account s = new count (name, clee if (priet = = 2) { of miles System out println ("Enter the accino); double amount = sc. next Double(); s. withdraw(amount); while (faure) { int puel = sc. nextInt() if (pole ==1) { else if (parel==3){ system out. pounten ("Enter" s.duplayBalance(); the amount"); double amount else if (pose) == 4){ Sc. next Double (); 3. computeInterest(); s. deposit (amount) else if (pref == 5) { 3. compoundInterest(0.05,15); else if (preef == 2) } System double amount elee break; = Sc. next Double (). s. deposit (amount);

classmate Enter 1 for savings Enter à for current Enter name: ana Enter account number: Enter 1 to deposit 300 holos Enter 2 to withdraw Enter 3 to diplay Enter & for interest Enter 5 for compaind interest Enter amount . Deposited 900.0 apparted balance 900.0 Enter amount 100 Withdrauen 100.0 updated balance 800.0 Account Balance = 800.0 Interest added: 29 000 Balance with interest: 824.0 compound interest is: 1693.5130224 Updated balance: 293.5130234 Markey Condinate