Lab 5 Develop a Java Perogeran to create a class Develop is saintains two pinds of accounts for its customers, one called sources account (peroids compound interest but no cleck book) and votes called current account (has ded book and minimum balance degrishment which if not met, a service varge is imposed). Create class Account which stores have number and type. Erron this desire two classes ear hang specific requirements. Include nettods for a) Ruept deposit & update balance b) risplay bolone c) Compute l'déposit interest a) Esenit withdrawal e) here minim book bolance and impore peralty import java util. *) import give larg. Moth obsterout class Bark & obstract class withdraw (double ant) abstract does deposit (double ant) abstract void diplay (); abstract void merudip () does Account extends Bark & String house int acc - num Storing type

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don Savigo extends Account & double interest ! Savings (String have, int our hum, String stry double but, Storing man, double interest) super (none, ou nem, type, but, men) this interest = interest ; public double interest (int time) { double comp; comp = bal + Moth pour ((bal*

(I+ (interest /100))), time); eretuen comp' public void menudisp () { Super nemders () neru + = " | n 4. Compute Interest n 5. Exit"; class Current extends Amount { Jouble mubol = 10000', int overdraftlinit = -100; Coverent (string have, int occ. run, String type, double bal, string men) { super (Jone, are nin, type, but menu) j public void merudisp () { men + = " by h 4. Cheque book In 5. Fxit"

public will withdraw (double ant) } if (ant Shal) { System out printle ("Withdraw elu E bal = ant if (bal Emirbal) { bal-= 0.1 * bal; Lysten out pristly ("Balance is lower than minimum balance. 101/ service charge imposed I New balane is: " + bal); System out printly ("Updated balons is: "+ bol) public void hersbook (double ant) { if (ant <= bal & & (bal - ant) > = someodraft linit) { bal -= ant ; System, out paintly (" Cheque issued everyuly . Current balance: + bol) Eysten out printh ("Insufficient fundi") class Bank ? public states word main (storing and ()) Scarres = new Scarrer (System in); String have 1 Iting hem: int acc - hun ; Storing type / double bal = 0 double interest, ut croise; int time / double money! System out printly ("Exter customer have:"); hame = S. next (); System out printly (" Extra account humber.") au-hum = S. hert Int () System. out. periods ("---- Acoust typ-In I Louis Account In 2. Coverent Account In Clease elect account: "); type = S. next(); of (type equals ("sovings")) { System out painth ("Enter interest arount.") interest " S. pert Double (); Sawrigs acces = heur Savings (have, age-num, type, bal, meru, attrest) do { ays menudisp (); System out printh (our men) System out printly ("Enter Noise", cloice = S. next Int () Switch (doie) { cose !: System out posith ("Ester" ant to be deposited."

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Output. Exter sustances have San Cuter are minber --- Parount Type --! Sorings account 2. Current account Please select account savings ---- MENU ----1. Deport 2 - Withdown 3. Display 4 Compute Interest 5. Frit Exter croise: 1 Exter ant. 1000.0 Updated bal: 1000 Ester Noise : 2 Enter ant: 300 Updated bal: 700.0 Erter Noise: 3 Au no : + Accinance: San Fre type savings Au bal : 700 Enter choice: 4 Extre time: 3 Compound Interest: Estes choise: 5

(-2 Enter customer have: Sam Erter occ. no : 2 --- Account Type -- -1. Savinga Recount 2. (worst Account Elease select accounts: Current --- MENU -- -1. beposit 2. hitsdraw 3. bisplay 4. Cheque book 3 Exit 5. the choice: 10000 Enter amount: 10000 Updated bal: 10000 Enter Choice: 2 Enter amount : 1000 Bolover than minima 10-1. seevie charge imposed Updated balance: 8100 Enter choice : 6 Educant: 100 Cheque secressfully assued. Updated bad: 8000 Enter choice 5