a) Develop a java ynogram to create a class Bank that maintains thoo kinds ig account you ute customeer, one called savings account and the other current account. The savinge account provides compound interest and withdrawal postities but no cheque book facility. The werent account movides cheque book facility but no unterest. Current account horders should also maintain a nivinum balance and up the balance falls below this level, a service charge is imposed . mo = - who lod import gava util & canner; class Account & private string customer - name; mirate art acc-no; motected double balance; mulatic void toll formy Balance public Account (string autom ex-rame, mint acc-no, double balance) { thire. customy\_name=customer\_name this acc-no = acc-no; this balance = balance; was 13 gonten through privalence the primic double getBalance () { return balance; wholly motion 3 it's ) trivosottopino De Judwonarge unt occount sunber, duber inhalfol mee

E-MARROAS publicated deposit (double are was show out saingifamounts offers seels and some some of balance += amount; por some with the Bystem out minth ("Depolited: current; Cotracons + the savings account bas remain y else dy mas sobrom en printer (" Depart many makes anount hurer be perti mandelle cheque book LOW WINDS interest. Therene accounty munic void withdraw (double amount balance and ell the balance the (amount <= getBalance()) ( balance = amount; System. out. println ("withdrew:" + amount + "balance is: " + balance" fanourt real else is superemout minter (" In suggicient dunde!") is storm morested double bolance. public void dispray Balance () & experient out minter ("current (sonoled Balance) + balance); mey name four omer name delice . bolone = bolone class savings Account extends Account of perivate asuble interest Rate; public savings Account ( string customer Nam unt account Dumber, double initial Balan

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	double anterestrated (
(opie)	enger (customeen ane, account Number
Walter	and all minital Balance 2;
50	this interestrate = interestrate;
	3
	public void compute And Deposit Interest () {
	double interest = getBalance()*
	interestrate/100;
	deposit (interest);
J(1945)	[] pulsica estate with the continue ( - 15 mg )
; Crit	Sconnes SC= new Sconnes ( syercrof.
" suran	remained with a respective out of the Court amount
	class CurrentAccount extends Account[
· K	Inivate double Minimum Balance;
	private slower service Change;
": 33mp/	exercise with manten bear initial by
17	prublic current Account (string customer Nom
	int account oumber, double initial Balance,
	double minimum Balance, double service Charge
(": H	or tear on return of metall and the server of and or
	super (cuetomer same, account sumber,
( 307.0r	2 30 173 2 white al Balance);
6533	this-minimum Balance: minimum Balance;
ar	this . service charge = service charge;
6	" During toice ( 1 ) Saving " oce "
	winds the schooling
18/ 34	public void checkMinimumBalance()2
(Hours	ij (getBalance () < minimumBalance) (
	eyerem. out-println ("Balance is
	below minimum" ),
	balance == service charge;

Bystem-out printly (" Deducted service charge:"+ service charge eyetem out minten ("Balance of deduction is: "+ balance) adonic verde mangrate And Delphin 3 to ole o sop - Je groffite addusto public class Bank & Transle public static void main (string [] ages) Scanner SC= new Scanner ( system. in) system, out printen ("Enter curromer name string name = sc. nextline(); system but println ("Enter accno:"); int acc-no-so nextInt(); system out printen ("Enter initial balance: double bolance = sc. next pouble(), system out printly ("Enter minimum balance; double minimum balance = c, nextDoubleC) System. out minter ("Enter Interest rate:") double winterest rate = sc. nextDouble() Syxtem. out printer ("Enter service charge: downe service charge & c. nextDownec); 8 system out printin (" Enter choice: In 1. Current acc in 2. Eavings acc "); unt th = scinextint(); and as meyerem out printer ("cuerome name is: mane + " maccount numbes: "+ account switch (ch) & spring of viscage (1) 13

System. out println ("Account is " A" werent type"); Current Account ca= new CurrentAccount (name, accino, balance, minimum-balance service-charge ); do & system outprinten ("Enter choice: in I deposit in 2 withdean in 3 displace balance"); unt C= 3c nextint(); ca. check Minimum Balance (); ing (c==1) { system out porinter (" Enter amount to be deposited:"); ) one seems of smootouble ant = sc. nextDouble(); turned may ca - deposit (ant); } ase of (1:2) { to withdraw: "); double ant = sc. nextoursel) dure ) everyboxtica: withdraw (ant); } else of (0==3) of ca. dispray Balance (); 9 (2) so moto & else & 16 00 system exit(0); & while (true);

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case (2) exertem out println ("Account is savings type"); Barings Account 3a = new savings theount (name, acc-no, balance interest rate); alog system out minten (" Enter Choice: In I deposit in 2. withdraw 3. diegray & balance"); unt cl = sc. nextInt(); a ( a == 1)f System outpointly ("Enter amount to be deposited olouble ant sc. nextpouble sa deposit (ant); else in (c1==2) of System out pointly ("Entic or consount to nothdran: "); double ant: sc. nextourse(); turo) a orbor ea. withdraw (ant); clee of (c1 = = 3) { Compute And Deposit Interest sa · display Balance (); Colse f System exit (0); Iwhile (true);

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Marco	12 prints) noit 433x33pApriorer, Sildwiger 450)
	customer name is threed
	Account number: 3465
	Account is savings type
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300000	2. mitaldrano 183 Suldurge Sucurantalisticus. Sus
	3. display balance
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	enter amount to withdraw!
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