NAME: ANSHUL H. SURAWA USN: 1BM1915020 Develop a Java Program to create class Bank that maintains two kinds of account for its customers one called the saving account and the other aurent account The savings account provides compound interest & withdrawd faulities but no cheque book facility The avoient account provides cheque book facility but no interest. burent account holders should also maintain a minimen balance I if the balance falls below the level, a service charge is imposed. Create a class Account that stores customer name, account number and type of account. From these derive the classes aux-act and Sav-act to vioke them more specific to their sequirements. Include the recessary methods in · Accept deposit from customer 8 update the bolonce Display the balance . Comple and deposit interest . Permit withdrawy & update the balance . Check for the minimum balance, impose senally of necessary & update the balance Arshull. Suam

import java. util. Scanner; import java. lang. Math. class Account String name, type, accor double balance! void deposit () Scanner get = new Scanner (Systemin). double depo; System. out. println ("Enter deposit:"); gobo = det. Next Dongfol) i balance - balance + depo; void withdraw () Scanner get = new Scanner (Systemin); double withdraw; System, out println ("Enter the amount to withdraw (("+ balancet"). withdraw = get. nex+Double(). balance - balance - withdraw; System. out. Println ("Balance: "It balance luser acct extends Account just intx - 6; boole an cheque = true! void dispblace 2 System. out. println ("Balance" + balance). create ( Arghul H. Swane

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2 Lanner get = new Scamer (Systemin) System. out. println ("Name:"). namo = get. next(). accoo = " current"; System out printen C'Account No accoo = get next().

System. out println ("Balance!" balance = get. next Double (). void check ( System. Out: printen ("In Minimum Balone") if (balance < 5000) System. out printer ("Penalty imposed please deposit minimum + (5000 - balance + 200) +" RS/nRS 200 Service charge deposit (): Salance = balance - 200; Else System. Out. println("Balonie;" class Sov- acct extends Account Fishi slowb boolean cheque : false. void displance & System. out. Printen ("Bedage: "It balone Arghul H. Swans void Oreate () Scanner get new Scanner Syrkmin System. Out. Printen ("Name!") name=get. next(). accoo- " savings" System. out. println ("Account voj") accopo = det. vext (). System out printen (" Balance ") balance = get. Dertbouble (). void calcint c double interest; Scanner get = new Scanner (System.in) System. out. Prinklu ("Enter time:"). time = get nextInt(); interest = balance \* Mater powlitiatr/100 System: out printer ("Interest" + interest) balance = balance + interest; System. out. printen ("Balance: "Hodonce. public Static void main Ching age (I) Scanner get = new Scanner (System.in). String type! Sav acct acces new sav accted. Coveracct accx = new Corracct); System. out: println[" Enkertype of account: (curent/savings)"). Arshul H. Surana = get - next()

if Ctype equals (a sainty) else if (type. equals l'avenue accr. create (). 1 System out printen ("Ins. Deposit 1 D. Agela Balance 113. Deposit Interest Iny withdraw Ins. Charl no Cheque Book (under development Int. Ent): Ch= get- Der+Int(); case I: if (type equals (4 savings) accs. deposit (); acit depositi); break; Case 2: if (type-equals ("Savings") acis. displance); else acco-displance); break; Care 3: if (type equals ( & savings" i Calcintes. Essa System. out println ( This account does not have this provision break; Case 41 if (type equals (" sayings") 2 caser & Atjew rehal H. Sware

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accx unithdraw (). break; cox 5. it (taype equals ("saving") System-out-printen ("This account does not have this provision"); accs- check (); break! case 6: is (type equals ( " savings" System. out printler ("This account does not have provision" break ! System out println Enter ralid ichile (ch 1 =7). Archal M. Suran.

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