E). Develop a Java purguam to wate o class Bans that maintains two kinds of account for its instome one called squings occount and the other wever account. The sawings account publishes compound intrust and authorized facilities but no chique book facility. The coment account published chique book facility but no Enterest, arount account holder should also maintain a minimum balance and if the balance fallo below this level, a survice Charge is imposed bust a class account that stores customes name accord numb and type of account Ferom this dievice the class lur acct and par-act to make them more specific to their ougusumers. Include the necessary methods in order to achieve bu following bastes, or ut as on o tome termos wo

(a) Accept deposit from customer and cypolate the balance.

(6) Display the halang have & to the was

(1) Compete and deposit enterest traderes just stars

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imposit java. Wil. Scanner (145,000 15384 import java. long. Math "two oldowle class account Stuing name = new Stuing (1) int accrus; double bal; Scanner 5 - new Scammer ( System. In ) Void set () d. nextbookle [1: System. Out puintle l'Enter customa name name: s, netlinell' System. Out. presiden ("Enter "+name" & account number"); acino = s. nextInt(); System.out. puertle l'Enter balance amound !! bal = s. nentDoublel); E. C. P ["Enter state of interes". double si 8. Mx Hibrible 1): void display!) 8:09: ( Gustomor Mame: "frame) 5.0.P ("Your account numbs: +accno); ("Your account balance: +bal); d.nevitet(): account (1 E) class sayacet extends account and and is situated Slamner 1 = new Scamme (System, In) S.O.P C"Cheque Facility not available"); belance often explating is "that!

void wd1) void object!) 5.0.P E antih; double ant; if Con= 5.0.P ("Pours 1 to olyposit"); ch = S. next Tod(); doesble \$ (cho = 1) if (wd S.O.P ("Enter amount to be dypsi'ted"). { S.O.t ant = S. next Double (1) else tal = bal + aut' willen ("Tilor curions of the tal bal = ba S.O. P de S. O. P. ("Invalid Inpid") else acono = d. next. Tutco. 3 aplancent. presenter C. Enter balonce amound (In bill) bal = J. runt Bublely; S.O.P ("Enter reat of intour"); class double n = 8. nixtDouble 1): SO.P ("Enter number of times intourt applied por time puriod"): ent n = s. next Intl); S.O.P ("Enter number of time periods"); ent t = s.nextInt(); double x = (1+(4/100)); double ci -balon \* Math. pow(xn) 5 / mouse (ha) 5.0.P ("Intoust amount = "teit" | n Balance amount without conting S. C. P C"Chaque Facility not available" 1 = last 5.0.P ("Available balance after cypolating is "+bal);

void wd1) 8.0.P ("Peuss 1 to withdraw amond") int ch = s. next Ird 1); if (ch==1) ( ) love bigg ( ) I S. O.P ("Inter the amount to be withobiamin"); double endraw = S. next Double (); if (wdowstal) { J. D. P ["Balance is Cern than withdrawl aust" ? enter; } clse everthobrains: "). bal = bal - wobraw: 15 S.O.P ( Available Balance ! + ball; 3 Use S.O.P ("Invalled input"), who Ind = lat 5.0.9 ("Hvailable balance;" othan ): ? class award extends accord a blown 9.03 Scanner 1 = new Scanner (System. in ); (wracit () 5:0.9 (" Belone below minimum amond in 3 S.O.P ("Cheque facility available") hal= bal-50; void deposit () 5.0.P ("Your available balance: ent ch; double ant; 5.6.P (" Prus 1 to deposit"); Cle /ch = s. nextInt(); if (ch==1) 1); public class labs S.O.P ("Enter amount to be deposited"); ant = 0. next Double (10) xx good of horas bal = balt amt;

5.0.9 ("Invalid Input") ent ch; 5.0.0 (" 5.0. P. L" Preso 1 to witholian amons"). void woll) Ch = S. nus Smitch Cu ent ch = d. next Int (); 5.0.P Partite the amount to be cose 1: Savacet 11. set 6 11. disi double reduce . S. nextDouble (2) 11. dep 11, in bal = bal- wobiaw town of bothar 12 ) 9.0.2 11. wo buak. 5.0.P ("Available balance;" + bal); } Care 2: curao S.O.P ["Invaled expansis; borners tronus and CI Scanner 1 = new Scanner (System (0001) had) for C1. (weacit () 5.0.8 (" Salance below monimum amond, In A genely of SOB; tras been woodilor). vocal depart () bal = bal - 50; 5.0. P ("Your quailable balance: "+ bal ? (" Penns 1 to deposit")

ent ch; 5.0.0 Enter your account type:
1. Sawings account to 7. (would account?); Ch = S. next Jut (); 1. Sawings account Switch (un) case 1: Choque buring not available Squacet 31 = new squaed 1): 11. set (); 11. display (); Ent Apparts account running 11. deport 1). 8021 841 88 7 11. in(); Into balance comonit 11. wol 11: 34,00000 benak. Care 2: Centonia Manue: Akthanita conset C1 = new consect 1); C1. display (1; 0:00000.0 ; 1) pullad to wol. C1, set (); Peux 1 to deposit C1. wd1); bruak. default ! bit System, exitto); twomas wit the 4,000000 Ente the grate of intrust Enter Eu number of time interes time period tues runder of time prisons

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Command Prompt
C:\Users\bmsce\Desktop\1BM21CS064>java account
1.Savings account
2.Current account
Enter your name
gagan
Enter the balance amount
10000
Name : gagan
Cheque service not available
Do you want to deposit(1 for yes ,2 for no)
Enter the amount to be deposited
20000
Amount in bank insufficient
Current balance : 10000.0
Enter the rate of interest
Enter the number of times interest applied per time period
Enter the time elapsed
Compound interest is 1.6E17
Enter the amount to be withdrawn
1222
Withdrawn : 1222.0
Current balance : 8778.0
```

default: System.out.println("Invalid choice");