1.5- Sources occount provides compound interest & withdrawal facility but no drebook facility. Current account provides check book faily but no interest faithty imposit java while . class decount String untour name; long acuro; String outype; doubted balance; public docume Storing autonormore; long owne; String actique) this intown name = automy name; fund acuno = acuno; this autype=autype; the balance = 0; public void display () System out printly (" secount us: "+ ours) System out printle ("Customer name: ", autonor name); System . out printle ( "sacount type: "+ autype); System out printly ("Balance: "4 balance); class bevau entende & curvet double numbal; double surreduge; public wrace ( story whom none, long own) I super ( withour work, auno, " current ") this winded = 1000; Kin strivedoge = 50;

public voit withdraw (double amount) ib (balance-ant >-minbal) bolance == and; System out printler ("Withdrawal every ful bemed bal: "& balance); 1 System out printle ("Insufficient balance"); public void savedling () } if (balance < min bal) 1 balance -= survice change; System out puintly ("Sorvice change so imposed"); Class Savace entende decount double intrate; public Savace (Storing autour vare, long acuro) super (untournance, acus, "Savings"); fluis, intereste = 0.075; public void deposite int () I double interest = balance interests balance + = jutoret; System.out. purte ("Inter deposited after you");

public void campidies (double initial aut, into tour) double carpedal = initial and + Moth pow((1+ introle), tour) - initial and balance as cupiet; System out printled " (ou poul int deposited"); public class Back public static void main (stong (I angs) Scanner se = new Saun (System -in); System out much (" Ent on type); Eydern out-putty (". Cental, 2. Sovings); int dione = sc next () Sycten out private ( Ente vane); cutour wore: scorur westline(); System out puntled Estroce uo"); accus = sc. next Long(); ( b ( choice == 1) Concer our Account = new Corrace (Cartone vous, accus); System out putal Entrainfield bal); double initial = sc. new Double (); Ever Accent. balance = initial bal; Systeten. ort. puth ("Exter wetbarond aunit); double introducted and = sc. nutdoublet); (anthonormal Curraced withdraw (withdrawd aut)) (); Soveding Curticol display (); L New if ( duice == 2) Barace = savace = new Savace (Cuthor name, acuro); System out publicat bal), double au Holbal = sc. new Double () Sorou · balanc = initial bal;

Syden out put (" & t with drond and"); double withdraws and = se vert Double (); Sovace. bal -= withdraval-out; Syden out puth ("Inthonas succepted); System out peth ("Est int rate"); and float interde = se. encel Float(); compat ( System-out-putlel "Ent the term"); Savace on pud cit ( tential bed , term); Come Savace. duplay ();

Algorithm STEP 1: START STEP 2: withalize automnour, balance, amo, account type in the than downt STEP 3: create parameterized contentar and inhidize it. STEP 4: vicate a method to display the details of the autour STEP 5: occate a class som which is intera child class of the does don't and initialize minim bal, sorvice dronger. STEP 6: occate a inthe construction to initialize unhim bal la service change STEP 7: create a method withdraw with the parameter amount if (balance - amout >= minime bal) balan -= andj Inaffint balance. STEP 8: viente a milled somicidage 1 b (balaner < mimbal) bolance == scripchosqu STEP 9: vreate a class called Sovan which is a duild class of Acut Inibalize interest rate to 0.078. STEP to: creeks a milled composition to rolet and Savace

STEP 11: vicate a daws called bank and a main nifted and take in pit of autour vour, acus, unitid balance in sourings and cont

STEP 12: coll all the methods and the display method.

STEP 13 : END ;

Output:

Entraction name

abhu-

Entrace type 1. Sowigs

2. Cont

Ent getter ou un

200000

Eux curticl bal

12000

withdraw aut?

Fut aut to withda

with drow succeptu

Fut cutest rate

Ext form

composed in how been wedited

Siglo124

```
C:\java lab>javac Bank.java
C:\java lab>java Bank
Enter the number of customers
FOR CUSTOMER 1
Enter name
cus1
For savings:
Enter account number, balance, rate of interest, time
11
100000
9
Deposit success. Balance is: 200000.0
Compound interest
New Balance: 307724.7909800001
For current:
Enter account number, balance, presence of check (Enter 1 if check present)
12
121000
Deposit success. Balance is: 242000.0
For savings account:
Enter withdrawal amount
145
Remaining Balance is: 307579.7909800001
For current account:
Enter withdrawal amount
235
Withdrawal success. Remaining Balance: 241765.0
1BM22CS004 ABHINAV INAMDAR
```