> Bank - Williamt & davings sciount: Develop la Tava pringram to ciente a class Bank that maintains & linds of account import java. util. Scanner, class secount & dring ust name; int all no. String all-type; public August lastring uest - name, int haveno, diving all-type ) ? ithis auno auno, ithis acc type: acc type; public void displayBal () {

System out println ("Account rumber: "+accord; dystem out println ("lustomer name = " + custrant distem, out, println ("volucient type: "+acc\_type) System out println ("Balance: " + balance) tinks) report land of the sent class Eurount extends accounts double min-balance, service-charge; Eure unt l'astering cust\_name, int auno) {
super (cust\_name, occino, "luvient"); ithis min-balance = 500 this activity charge 20. ipublic void withdrawl (double and)? if (balance-amt >= min\_balance) { ubalance -= amt; Laystem out printly ("Withdraw) Balance: "+ balance! balance - = service harge;

class davings extends decount l double interest\_state; davings latting cust\_name, int alinoss super (ust\_nome, acino, "Savings") this interest rate = 0.5; objetem out printen l'Interest Deposit current Balance: "+ balance); spublic void compound Interest (adouble sindian int time if robuble ci = initial\_amt \* Math. pow (0+in - initial-ant. tenst\_nate), tim balance+=ii adjet em out printly compound interes is applied butwent Balance: ", balance on townshi hallmista. public ulas Bank & public static woid main (String[] augs) { deanner in = new Scanner (System in); Lystem out pointly ("thoose account type")
Lystem out pointly (" daving 2 burrent System out, pointln ("Enter choice, or e") int shaile = in next Int (). Leving ust-norme=in.next(); System. out println! Enter account number unt acenos in.nentInt(). Lystem out printen if (choice = = 1) f davings a aux Acc = new davings leus - no dystem. out. println (" enter initia bulan

double initial balance: in. next Doubles); sautAcc. balance: initial -balance; System. out. swintln! Enter withdrawl ramount"). withdrawl=in.nertDouble()savAcc. balance = withdrawl; Legistem out, printly (" withdrawl sanAir balance); dystem out, println (" Enter time to calculate compound interest: " int time = in nentInti); (sai)Acc. Compound Interest Cinitial-balance, time): savAci.displayBal (); else if Choice = = 2) { divisient wei Acc = new lurient Cust name, Laystem. Out println l'Enter initial balance idouble initial\_balance = in nerdDouble(); weiAcc. balance - initial\_balance. System out println' Enter withdrawl the mount is it of double amt : in. nert Double 1); cuest le mithaleand (annt); weeker, Service thatage (); merAce. display Ball; Telse of I would be the man in dystem. out. println ("Invalid choice"); arriver broughout the travel toward How House hours to in court I maded !

Flow charent: atep 1: ataut. atepr : anitialize variable just name, acuno accitype, balance. dtep3: Emput = "Enter customer name "+ aust ateps: Input - "Enter account number" + aun Step 5: Input - "Enter raceount type it are type Steps: Input - "Enter balance" + balance Step & Print " Entrauount type -1. Laving 2. www.ent " Step 7: Input Enter choice 1 04 2 Step 9 Read chaire Step 10: 4 (chaire == 1) } Input " Enter initial balance" rimitial-balance enter withdrawl is must withdrawl. Saput if limital Input " Enter minimum balane " + min. if (initial\_balance - withdrawl >= mis balance -= withdrawl. Ruint " Westernt Balance "+ balance Input "enter interest\_ rate "+ rate Input " enter time " + time ci = initial\_balance \* power ll + interest initial-balance. Print " De Compound Intust: Reunt " Depait with Interest " + (balance + balance + interes

else if (choice==2)[ "indud-laitine water "-tunited-balance" tribal balance = initial-balance, Imput " Enter with drown amount"; withdraw if (Chalance -withdrawl) >= min) { balance -= withdrawl; Print " tweetern Balance = " blance alset Step 12 = "Paint "Invalid thoice" Step 13: Step Butput: those account type 1, Saving 2, Willet enter thairs 1 A 7 Enter customer-name ado enter recuerous restra Enter initial balance: 10000 Enter withdrawl amount 1000 Euryst balance: 9000,0 Enter itime (in years) for compount interest ealculation. compount interest applied = 32750.0

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D:\java\oops>java F
Name: Aditya Dinesh Netrakar
USN: 1BM22CS017
Choose account type:
1. Savings
2.Current
Enter choice 1 or 2
Enter customer name:
adi
Enter account number:
001
Enter initial balance
10000
Enter withdrawl amount
1000
Withdrawl successful. Current balance: 9000.0
Enter interest rate:
3
Account number: 1
Customer name: adi
Account type: Savings
Balance: 9000.0
Enter time(in years) to calculate compund interest:
Compound interest applied. Current balance: 639000.0
Account number: 1
Customer name: adi
Account type: Savings
Balance: 639000.0
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