6/11/2020 Lab Program-5 1BM17CS071 import java util Scannes; class Account 2 String cust name, type; long account\_num; double balance; boolean check-book; static double min = 500.0, sercharge Scanner'ss=new Scanner (System.in); void getet get data () ( System. out. println ("Enter the name of the customer"); System.out. println ("Enter the account number: "). number: "); System. out. printly ("Enter the balance amount: "); balance = ss. neutDouble (); void display C) ? System. out. peintln ("Eustones name:"

t cust name); 1 P System. out println ("X ccount 1/11 number: "+ account\_num); System. out peintln C"bussent Balance DYLT "+ balance); class savings entends Account a double interest, rate = 0.03, withdraw-Scannes 88 : new Scannes (System. in) int n, time; void calc-interest C) System out println ("Entel the time in years:"); time = ss. nentlent(); System.out. println ("Enter the number of times the interest is to be compunded:"); = n = 8 s. neut Int (); n=85. neutInt () interest = balance & (Math. pow ((1+ (late/n)); (time +n)); balance + = interest; System. out. peintln l'ine interestamount is:"+interest); System out println ("The balance after

calculating the interest is:"+ balance; void withdraw is: + bale void withdraw C) 2 System. out. printer C"Enter the amount to be withdraw: "); to be withdean: "); withdraw\_amt = &s. nent Double (); if (Balance > withdraw\_amt) balance = withdraw ant; System. out. println ("The balance amount is insufficient");
System. out. println ("The total balance after withdrawal is:"balance); if (balance < min) { Balance = balance = serchaege. System. out. println ("The balance amount after the penalty:" + balance); System.out. Println ("No penalty is imposed.");

11/ Lass burlent extends Account & Scanner 88 = new Scanner (System in) double deposit; void getdeposit () 2 System out peinten C"Enter the amount to be deposited: "); deposit = 88. nent Double (); System out peintln ("The total System out persien ( " - " una palance after deposit is:" + balance). Noid penalty ()2 if C balance & min )2 balance - balance - seecharge; System. out. printly ("No penalty is inposed.(1); class BankMain 2 public static void main (String orgs 2] Lavings S = new savings (); Current C = new Scanner ( System in); System. dut. println ("Enter the type of account:"); System. out. peintln ("Enter | for Savings and 2 for Eusent:"); type 0 = 88. nextent (); if . C. type = = 1) 2 int withdew = 0; so getdata (); S. display () S. calc\_interest.(). System. out. Println. ("Would you like to withdraw money from your account ?"). System. out. println ("Exter 1 if yes and 2 if no: "); withdew = ss. nextInt(); if (withdew ==1) { . withdean (); s. penalty (); if (type = = 2){

int deposit = 0;

c. getdata ();

c. display ().

System out desploy println ("Would you like to deposit money to your account?"); System.cent.peintln ("Enter I if yes and 2 if no:"); if (deposit = = 1) & c; & getdeposit ();