Lab Program 5. java util. Scanner; abstract class Account string aust-name; wing au no; String all type; souble balance; double main \_ bal = 1000.0; Account (string cust-name, long acc-no string acc-type, double balance) this: cust-name = cust-name; this all-no = acc-no; this acc-type = acc-type; this balance = balance; abstract void deposit (double amount); abstract void display (); abstract void withdrawal (double amount). class & currant entends Account double penalty = 100.0; curract (string cust-name, long acc-no, string acc Type, double balance) super (aust-name, au-no, austype-balanu); Systemout. puintle ("Name of wustumer" + cust\_name); System out puintly ("Account Number: + acc no aytem out println ("Account type: "+ acc-type) " + balance) system. out println (" Balance

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void deposit (double amount)
   this balance = this balance + amount;
 void withdrawal (double amount)
   this. balance = this balance - amount;
   impose penalty ();
   system out println l"The current balance is "t bedance)
 void imposepenatty ()
  if (this.balance (min-bal) }
    this balance = this balance - penalty;
    system.out.puntln ("The balance amount is
      in-sufficient, the penalty imposed = 100 Rs");
void display()
 System. out puintln ("Balance is: "+ this balance);
dass saving-account entends assount
   saving account (string cust-name, long acc-no,
         string au-type, double balance);
 super (ust-name, acc-no, acc-type, balance)
  system out println ("Name of the constumer: "+ cust now
 System.out.puntln. ("Account Number: "+ all-no);
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Syptom.out.println ("Account type:" + all-type); system.out.puntln!" Balana: +balana); void déposit (double amount? this. balance = this. balance + amount; intresst (); void interest () int eate: 10, time = 1; float (i = (float) (this. balance \* math pow (1+ rate /100.0, time) - this balance); this balance = this balance + ci; void withdrawal (double amount) this. balance = this. balance - amount; System. out puintln ("The current balance": +balance); void display 1) system.out.puintln ("Balance is" + this. balance); class Accoud Main. public staticoordinain (String [] augs) Scanner XX - nen Scanner (System. in). Double amount; ind flag : 0; white. (flug = = 0.

system out printer l'enter type of Account in 1. current account in 2. Samings account "). int thoice = xx. nent Intly; Switch (choice) casei: System. out. println ("In Current Account: In"). System. out. println ("Enter the name of account holder) String = xx.nent(); System out puintln ("Enter the assount number"). long g = xx. nent long (); System out peuntln ("Enter the balance amount"); double h = xx. next double 1); cerract c= new curracet (f, g, "current ish). int | lag 1 = 0; while ( flag 1 = = 0): system out println ("Enter your choice In 1: deposit amount 1 2: Display Balance In 3. withdraw"]; int choice 1 = xx nent Int(); Switch (choice) (ase 1: System.out.printin L'Enter amount to be deposited: amount = xx. next Double 1). C. deposit (amount); break; case 2: C-display (); break; Corse 3: System out println ("Enter amount you need to wishdraw"); amount = xx. nent double ()

( withdrawal (amount), break; default; flag 1:1; break; case 2: Syptem out-println ("Saving Account: In") System out println ("Enter the name of the account holders "); otning p = xx.nent (); System out println ("Enter the august number"); long y = xx. next long (); suptemout println ("Enter the balance amount"); double or = xx. nentdoublex) Saving-account 5: new saving-account (p, q, "Savings", w); ont flag 2 = 0. while ( | lag 2 = = 0) System out perint In (Enter your choice In Deposit amount 1n 2: Display balance In 3: withdraw "); int choice 2 = xx. next Int (). Switch (choice 2) case 1: System. out puintln ("Enter amount to be deposited: "); amount = xn. nent Doubte (). S. deposit Eamount). break.

s-display ();

break ...

case 3: System.out.println ("Enter amount youwant to widthatraw:"); amount = xx. nent double (); 5. withdrawal (amount ), break; default; break;
default: [lag:1],