```
Lab-Program - 5 :-
```

* import dava util scanner; abotract class Account

String cust_name;
long acc_no;
String acc_type;
double balance;
double min_bal=1000.0;

Account (string cust_name, long no, string acc_tage
double balance)

this. cust - name = cust - name; this. acc-no = acc-no; this. acc-type = acc-type; this. balance = balance;

abstract void de Posit (double amount); abstract void dis Play (); abstract void withdra wal (double amount);

```
class curr-acct extends Account
double Penalty = 100.0;
curract Cotting cust name, long acc no,
             string acc_type, double balance)
suler (cust_vame, acc_vo, acc_type, balance).
system. out. Print In Ciname of the customer; o
                                + cust_vame).
eystem-out. Printly ("Account Number: "faccing).
system.out. Print ("Account type:"+ acc_type)
system. out Printly ("Balance:" + balance).
void defosit (double amount
 this balance = this balance tamount;
void display ()
system. out. Println ("Balance is:"+this.balance
```

```
Void withdraw/Chouble amount)
  this balance = this balance - amount;
impospenalty();
  void imposferalty ()
    it (this. balance 2 min - bal)
     this. balance = this. balance - Penalty;
class sav-acct extends Amorticount
  Sav-acct (string cust_name, long acc_no,
String acc_type, double balance)
   Super (cast_name, acc_no, acc_type, balance),
System. out. Printla (uname of the customer: ")
+ cust mums
   system.out. Printly ("Account Number:")
```

system. out. Print In l'Account type: "+ acc + system. out. Println L'Balance: "+ balance). Void de Posit (double amount) this balance = this balance + amount; interester; void interest () and especial ord int rate to; time=1; float ci = (float) (this. balance * math. Pow (1+ rate/100.0, time)-this.bdan this. balance = this balance + ci; void display() system. out. Print In (" Balance is:" + this balance

```
void withdrawal (double amount
  this. balance = this balance - amount.
class bank me strand allowed to made
 orbation e algorithm & 190it; ca
               fort 1x an . 88 = 1 asiads Ja:
 Public static void main (string [Jargs)
  Scanner 59 = new Scanner (system.in);
  Double amount.
  int flag = 0;
  while (flag==0)
   system. out. frintly (" Enter the type of
   Account: In 1: current account In 2: savings
                                       account"),
   int choice=ss. nextInt();
    switch (choice)
   case 1: system. out. Printly ("Incurrent account:
    carr_act c= new Curr_acct (u Rabul 1, 18 76891)
```

" (current), 30000-0)

```
aldoold foundation bion
int flag 1 = 0;
while (flag 1==0)
 System. out Print ly ("In current a count: his)
 system. out. Printly (" Enter your choice in 1: Defe
 amount In 2: Display Balance (n3: withdrawn).
  int choice 1 = 85. next Int();
  switch (choice 1)
                 10000 W901 00
  system. out. Printly ("Enter amount to be
                                de Posited: ")
    amount = ss. next Double ().
    c. dePosit (amount);
    break;
   case 2.
   c. display ().
   break;
    Cage 3;
   system. out. Printin (" Enter amount you wit
                         to withdraw!");
    amount = 55. next Double ().
     c. withdrawallamount);
    break.
```

```
break .
case 2: system out Printly ("in saving s accounts
Sav_acct s= new sav_acct ("vijay", 68 432179,
                         " Savings", 6000.00).
int fla 8 2 = 0:
 while (+lag 2 == 0)
 system. out. Printly ("Enter your choice
 In 1: De Posit amount In 2: DisPlay Balance In
   3: withdraw").
  int choice 2 = GG. Next Int();
  Switch (choice2)
   case 1: system. out Printly ("Enter the
             amount to be deposited: ").
   amount = 96. next Double ().
   s. de Posit (amount).
    break!
   Case 2 .
    s. dis Play();
    break;
```

```
case 3:
system. out. Printly ("Enter the Amounty
                      want to withdrawin
 amount = 66. next double ();
 break;
 default:
 flag 2=1;
                " coltain the two constal
break;
default: flag=1;
                      · ( constables : 6
         1() fort Jx8/1 80 = 6 95,000 36;
```