```
of LAB PROGRAM 53
import java util scanner;
import java lang . Math ;
 crow eccount f
       double balance;
       saing customer-name;
                account-type; Il stor sawings, c for current
              account number;
         account (soing name, int num, char type) }
              contourse - vorus : vorus;
               account - number = num;
               account - type = type;
          string rest Acct Type () {
               if (account-type == 's' 11 account-type = = 's')
                    return "savings";
                esc if (account-type = = "E' 11 account-type = = "c')
                    reutin "Curient";
                   recorn "None";
           3
           void dispray () {
          System. out. printin ("In the one your details; " + "In Nome"+
                customer-name + "In account number: "+ account-number+
                " In a court type: " + respectifie());
    }
       Curraces executs account of
        · boolean check;
          double pencery = 50.0, min-balance = 400.0;
           Curract ( Society name, int num, char type, sodean chequed &
                super ( name, rum, type);
                check: cheque,
           char checkophion() &
                     return 'y';
                      return 'N';
```

```
double Add penalty () &
     if (parance 1 = 100)
          balance: balance penalty;
      return basance;
  f
         update balance (double n) {
 double
       balance = Addpenally ();
        System . o
         balance = bulance + n;
         Lorary porover,
  }
        display Balance () (
          balance = Adapenaly ();
          System. Our - pointer (" your belance: " + balance);
    }
           display him () f
         system.out. printen ( " min Balance" + min - balance + " Penally = " +
   bior
}
}
   chars Son-acce errends account ?
         in extense rate;
          Sal-acce ( String name, intenum, char uppe) {
               super (name, num, type),
                 interest_rate = 5;
           double conclinerest ( int n, int t) f
               va = μαν. ροω (1+ (double) interest-rate (n+ 100), n+t);
               double val
               remoin parance;
            3
   3
 class Bank Demo {
       public static void main (string [) args) {
              Sunner &c = new Scamer (Systemin);
              int choice, b,
               String a.
               charc. bool;
               boorean d'i
               systemout. Print ("Enter your name: ");
```

```
System.our.print ("Entit your account number: ");
Q = SC- neat ();
 b = sc. next Int ();
 System. out. print (" Enter act type (sfor somings, cfor consent));
 C= Sc. next(), chox A+ (0);
 y (x = : 'c' | | x = = 'x') {
        System. out. print (" Do you want check option (YIn) ?");
          bool = Sc. neat(). Char A+(0),
          if ( pool = = 1000 11 , b, = = 1009) h.
              d: Hus;
               9 = torse.
          Connecte - acce or = woo con-acce (a,p,c,d);
          andisplay();
          while ( van ) {
                 System out. prent In ( "tenter your unoice: In 1. deposition
                    2. display bounce ( after penalty, it applicable) 103.
                    withdraw In 4. shock min balance and penalty Ins.
                     enix "1,
                 choice = Sc. nett Int ()
                 switch (choice) {
                    case 1: System. our. print ("How much dayou want to
                                   deposit?"),
                            X = Sc. ne 14 Double:
                            System. our print (" Balance has been updale
                              to: " + B). update Balance (4));
                             break;
                   conse 2: an display Barance ();
                             preak,
                    Case 3: System.our. print (" How much do youwal
                             to withdraw?"):
                             X = Sc. new Double ();
                             system. out. print (" Busonce how seen updali
                               TO Rs. 1/ + a1. update balance (-x));
                              break ;
                              a 1. display him ();
                               break,
                    couse 5. System. enit (0);
```

```
San-aict as = new San acc (a, b, c);
   as as splay o,
    while (true) f
         system out prive in ("IEnter choice; In 1. compute situate In 2.
         int p. q.
                  deposit interest (n 3. emil"),
          choice : sc. nout Inti),
      switch (choice){
          case 1: system. out. prunt ( "Enter n( pur time period);"),
         At PICY
                     p = sc-newtart);
                    system our print (" Enter time period in years;");
                     of : & new Int ();
                     system. out print ( "Interest ant for interest
                      rave of 5% is: " + a2. cook Interest (P.9));
                     break .
           core 3: sartew ont bring (,, Euter u (box time boigs);,);
                      P= sc. nontInt();
                      system out print ( "Enter time period: ");
                       a = x. no-u-Int();
                       entiem. out. print ( "boiance has been applated
                       e Rs. " + a2. deposit Intover (p,q));
                       break,
            cose 3. System. exit (0);
        k
         system. ever (0);
```