```
cheq = false; food ) in the law
else cheq = true;
Scanner Sc: new Scanner ( System. in);
 System out fruith (" Enter your name");
 name = (sc-nextLine (); in and se
System. out frintly ("Enter the account number");
 acctno = Sc. next Int ();
 System. out. printly ("Enter the current available
          balance in your account");
 balance = Sc. next Double ();
```

void buld () System. out. println (" Account details"). System. out. frentln ("Name: " + name); System. out. frintln ("Account Number: "+ acctno); System. out. frintln (" balance: " - balance),

Lab Program: Bank

import java-long. Math i

umport java atil. ";

class Account

String name; int acctno;

char type; double def;

boolean cheq;

double balance;

Void get (char c)

If "( c = = 'S' | ( = = 'S')

**(6)** 

```
void def ()
     Scanner Sc = new Scanner (System. in);

System. Out. frintln ("Enter the amount to be deposited");

dep = Sc newt Doubte ();

balance = balance + dep;
      System. out. frintln ("Amount has been deposited and
                 balance has been updated");
void display ()
  System out frintly ("Balance amount is" + balance);
 Void check ()
  y (cheq == false)

System · out · println ("Check book facility is not available");
else

System · out · brintln ("Cheque book facility is available");

3
class Saving entends Account &
  double rate;
   double s-with;
    int ch;
    double ant;
     double term;
   double fr;
```

```
Scanner Sc: new Scanner (System in);
System-Out-fruitly ("Enter principal deposit amount"),
  void ci ()
     System. out - println ("Enter rate of interest")
     System out · brink ln ( Enter the term (years)");
     rate = SS. newf Double () j
     System out brintle ("Enter the number of times interest is compounded annually");
          n: S&- nentInt ();
        amt = pr * Math pow ((1+ (rate/100)), (n * term)),
       balance + = ant ;
       System.out. printly ("Interest is compounded and
                      deposited; balance is updated");
void with -s () }
 Scanner Sc: new Scanner ( System in );
 System out fruth (" Enter the amount of money to be withdrawn"
 S-with = Sc. next Double ();
  ig (8-with > balance)
  System.out. frintly ("Insufficient balance");
    else
     balance : balance = S-with; there
    System out frintln (" Money has been withdrawn and balance has been updated");
```

```
dos Current extends Account
   double c-with;
    double pen;
      double min;
  Current ()
   pen = 100;
  min = 500;
void with_c ()
  Scanner Sc = new Scanner ( System in );
    System out frintly ("Enter the amount to be withdrawn");
     C-with = Sc. nent Double ();
     2 System out printly ("Insufficient balance");
   balance = balance - c-with ;
     System - Out. frunt (" Amount has been withdrawn and balance has been updated ");
2 System out brinth (" Balance is below the min threshold.
   Service benality charge = 100/2");

if (balance < pen)

System-out-brintly ("Due to insufficient? funds, benality charge
       will be deducted from account after replenshing.
Current balance is "+ balance);
      Place
     & balance = balance - pen ;
```

```
Systemout printly l' Penality charge was been deducted
           from account balance. Current balance is "+ balance)
class
      1265
  public static void main (String args [])
     int ech, chh;
      Scanner Sc = New Scanner (System in);
  System. out. fruitle ("--- Welcome --- ");
   System. out- Brintle ('Savings account or current account
          1 - Savings; 2 - Eurent ");
      int ch = Sc-nent Int ();
     y (ch ==1)
       Saving S = new Saving (),
       System. out-frintln (* 1. Deposit money In 2. Calculate
          compound interest in 3. withdraw money in 4. Display
          balance In 5. Cheque book facility In 6. Ent ");
       System out frintln (" Enter your choice"),
        Chh = Sc. nextgut ();
      switch (chh)
          Cost 1: 3. dep (1;
                  break;
```

```
Case 2: 8-cil);
             break ();
     cose 3 : s. with - s (),
    Case 4: S. display (1; 12 -1 110) Minden
              break;
     cose 5: S. Check (); or " ) almost his motor
             break;
     cose 6: break;
      default: System. out. print h.l." Wrong option");
            break;
      3 while (chh!=6);
else ig (ch = = 2)
    Eurvent cr: New Current ();
    cr. get (' (');
    System. Out. frintly (" 1. Deposit money In . Chequebook facility !"
Withdraw money In4. Display balance \n 5. 8xit").
      ech = Sc. nent Int ();
      Switch (cch)
          Case 1: cr. def()
                 brech;
          case 2: Cr. check ();
                break;
          cose 3: cr. with = c();
                   break;
```

Scanned with CamScanner

```
case 4: cr. display ();
             break;
           System. out. frint ln ("Wrong option").
break,
  case 5:
   default :
     while (ceh!= 5);
else
System. out. frinklu ("wrong!");
                              spart of
```