```
Lab program 5
import java.util.Scanner;
abstract class account
{
 String cName, accType;
 long accno;
 double bal;
 final double minBal = 1000.0;
 Account (String cNamu, long accno, doublebal
                    String accType)
{
  this.accno = accno;
  this.cName = cName;
  this.bal = bal;
  this.accType = accType;
}

 abstract void addBall(double amt);
 abstract void dispbal();
 abstract void withBal(double amt)
}
class Curr_acct extends Account
{
 Curr_acct (String cName, long accNo, doubl
                                  bal)
 {
```

```
super (cName, accNo, bal, "Current");
System.out.printlen ("Name : " + cName + "\t
    accno : " + accno + "\t bal : " + bal + "\t
    type : " + accType );
}

void addBal (doubl amt)
{
  this.bal += amt;
}

[illegible]

void dispBal ()
{
  System.out.println ("Your Balance is : " + this.
}

void checkBal ()
{
  if (this.bal < minBal)
  {
    System.out.println ("Insufficient balance,
        penalty imposed");
    this.bal -= this.bal * 0.02;
  }
}
```

```
void withBal (double amt)
{
    this.bal -= amt
    checkBal();
}
}
class Sav_acct extends Account
{
  Sav_acct (String cName, long accno,
                          double bal)
{
   super(cName, accno, bal, "Savings");
  System.out.println("name: " +cName + "\taccno:
  +accno+"\tbal : "+bal+"\ttype: " +accTyp
}
  void addBal (double amt)
{
   this.bal += amt;
   addEntr();
}
  voidIntr()
{
  this.balt= this.bal * 0.07;
}
  void dispBal()
```

```
{
System.out.println("Your balance including
    interest : " + this.bal);
}
void withBal (double amt)
{
this.bal -= amt;
}
}
class Bank
{
public static void main(String[]args)
{
Scanner sc = new Scanner (System.in);
Double amt;
System.out.println("Enter your details:")
System.out.println("Name : ");
String x = sc.next();
System.out.println("Account number : ");
long y = sc.nextLong();
for(;;)
{
System.out.println("Type of account :\n
    1. Current account\n 2. Savings account\n
    3. Exit");
```

```
int t=sc.nextInt();
if (t==1)
{
System.out.println("The current account
provides drawing book facility but no interest");
Curr_acct c = new Curr_acct(name,acct,bal,1000);
for(;;)
{
System.out.println("1. Deposit \n 2. Display
Balance \n 3. Withdraw \n 4. Exit");
int ch = sc.nextInt();
switch(ch){
case 1 : System.out.println("Enter the amount
to be added: ");
amt = sc.nextDouble();
break;
case 2: c.dispBal();
break;
case 3: System.out.println("Enter the
amount to be withdrawn: ");
amt = sc.nextDouble();
C.withBal(amt);
break;
case 4: System.exit(0);
default: System.out.println("Invalid
choice! Try again");
```

```
}}}
else if (t==2)
{
System.out.println("The savings account provides compound interest and with-
-drawal facilities but no cheque book facility");
Sav_acct s = new Sav_acct(x,y,1000);
for(;;){
System.out.println("1. Deposit \n2. Balance
\n3. Withdraw \n4. Exit");
int ch = sc.nextInt();
switch(ch){
case 1: System.out.println("Enter the amount
to be added:");
amt = sc.nextDouble();
s.addBall(amt);
break;
case 2: s.dispBal();
break;
case 3: System.out.println("Enter the
amount to be withdrawn:");
amt = sc.nextDouble();
s.withBal(amt);
break;
```

```
case 4 : System.exit(0);
default : System.out.println("Invalid
                    choice! Try again");
}}}
else if(t==3)
    System.exit(0);
else
    System.out.println("Invalid choice! Try
    again");
}
}
}
```