}

Lab Program-5

```
import java.util.Scanner;

abstract class Account
{
    Scanner s=new Scanner(System.in);
    String name;
    long num;
    String type;
    double bal;
    Account(){}
Account(String name, long num, String type,
                                    double bal)
{
    this.name = name;
    this.num = num;
    this.type = type;
    this.bal = bal;
```

```
double Min = 2000.00;
abstract void deposit();
abstract void withdrawal();
abstract void display();
}

class Curact extends Account
{
    Curact(String name, long num, String type,
                                    double bal)
    {
        super(name, num, type, bal);
    }

    Void withdrawal()
{
    Sol("Enter amount");
    int amt=S.nextInt();
    if (bal==0 || amt<bal)
            Sop("Withdrawal not
                        possible");
    else
    {
        bal = bal-amt;
```

```
        SOP("Amount of "+amt+" is withdrawed");
        SOP("Rem balance ="+bal);
    }
}

Void deposit()
    {
        SOP("Enter amount");
        int amt = s.nextInt();
        bal = bal + amt;
        SOP("Remaining balance of
                account ="+bal);
    }

void display()
    { if (bal < min)
        {
            SOP("Amt of 14J/- is
                deducted");
            bal = bal - 14J;
            SOP("Balance ="+bal);
        }
        else
            SOP("Balance"+bal);
    }
}
```

```
class Savact extends Account
 {
    Savact (String name, long num, String type,
                                    double bal)
        {
          super(name,num,type,bal);
        }

   Void  withdrawal()
     {
       sop("Enter amount");
        int amt=s.nextInt();
       if (bal==0||(amt>bal)
          {
            sop("withdrawal not
                                possible");
          }

        else
          {
            bal=bal-amt;
        sop("Amount of"+amt+"is with-
                                drawed from acc");

        sop("Rem balance is"+bal);
     }
 }
```

```
void deposit()
  {
    SoP("Enter amt to be deposited");
      int amt1=s.nextInt();
    SoP("The rate of interest is 5%");
      double ci=amt1*(1+0.05);
       bal=bal+ci;
    SoP("The balance="+bal);
  }

  void display()
    {
      SoP("Balance="+bal);
    }
  }

class bank
  {
  public static void main(String
                          args[])
    {
      Scanner s=new Scanner(System.in);
    SoP("1-Current account
                  \n2-Savings account");
```

URBAN EDGE

```
int c = s.nextInt();
    String nam;
    long n;
    double openbal;
    if (c==1)
    {
    SoP ("Enter name, acc no and
                    opening balance");
        nam = s.next();
        n = s.nextLong();
        openbal = s.nextDouble();
    Curact cu = new Curact(nam, n, "current",
                    openbal);
        int i=0;
        while (i!=4)
    {
        SoP ("1: Deposit In 2: Display
            In 3: Withdrawal In4: exit");
        SoP ("Enter choice");
```

```
int ch=s.nextInt();
switch(ch){
case1:
    cu.deposit();
    break;
case2:
    cu.display();
    break;
case3:
    cu.withdrawal();
    break;
case 4:
    System.exit(0);
    break;
default:
    sop("Invalid choice");
}
}
}
else if (c==2)
sop("Enter name, acc no and opening balance");
nam=s.next();
n=s.nextLong();
openbal=s.nextDouble();
```

URBAN EDGE

```
Savact sa
        = new Savact(nam, 1, "saving",
                                openbal);
int j=0;
while (j!=4)
{
sop("1-Deposit \n 2-Display \n
        3-Withdrawal \n 4-Exit");
sop("Enter choice");
int ch1 = s.nextInt();
switch(ch1){
case 1:
        sa.deposit();
        break;
case 2:
        sa.display();
        break;
case 3:
        sa.withdrawal();
        break;
case 4:
        System.exit(0);
        break;
default:
        sop("Invalid choice");
```

```
        }
    }
}
else
    {
        sop("Invalid choice");
    }
}
}
```