2.

```
import java.util.Scanner;
abstract class Acc {
    String cName, accType;
    long accNo;
    double bal;
    final double minBal = 1000.0;

Account (String cName, long accNo, double bal,
                                    String accType) {
    this.accNo = accNo;
    this.cName = cName;
    this.bal = bal;
    this.accType = accType;
    }.

abstract void addBal(double amt);
abstract void displayBal();
abstract void withdrawalBal(double amt);
}

class CurrentAcc extends Acc
  {
  CurrentAcc (String cName, long accNo, double bal)
  {
  super (cName, accNo, bal, "Current");
SOP ("Name:" +cName+"accNo:" +accNo +" bal:" +type:"
                                    + accType);
}
void addBal (double amt) {.
    this.bal += amt;
  }
```

```
    void displayBal (){
        SOP ("The balance is:" +this.bal);
    }
    void checkBal(){
        if (this.bal
    }

    void withdrawalBal (double amt){
        this.bal -= amt;
    }
}

class SavingsAcc extends Acc {
    SavingsAcc (String cName, long accNo, double bal)
    {
    super (cName, accNo, bal, "Savings");
        SOP("name:" + cName+" accNo:" +accNo + "bal:"+
                                    +bal + "type:" + accType);
    }
void addBal (double amt){
    this.bal += amt;
    addIntr();
}
void addIntr()
    {
    this.bal += this.bal * 0.07;
    }
void displaybal()
    {
    SOP("the balance is:" + this.bal);
    }
void withdrawal (double amt)
    { this.bal -= amt;
    }
```

```
class Bank {
  public static void main (String args[])
Scanner sc= new Scanner(System.in);
 double amt;
  SOP ("Name:");
  String x = sc.next();
   SOP(" Acc No:");
   long y = sc.nextLong();
  SOP(" Type of acc: 1.Curr 2:Savings 3: Exit);
  int a= sc.nextInt();

if (a==1) {
   CurrentAcc c=new CurrentAcc (x, y, 50000);
  for(;;)
  {
   SOP(1.Dep 2.Disp 3. Withdraw 4.Exit);
int ch = sc.nextInt();
  Switch (ch) {
    case 1:
     SOP(" Enter amt");
    amt= sc.nextDouble();
     c.addBal (amt);
    break;

case 2:
    c.display ();
     break;
case 3;
   System.out.println(" Enter amt");
     amt = sc.nextdouble();
    c.withdrawal (amt);
   break;
```

```
case 4 : System.exit(0);
default : SOP ("Invalid choice");
    }
  }
}.

else if (ch==2)
{
  SavingsAcc = new SavingsAcc (x, y, 5000);
  for(;;) {
    SOP("1. Dep 2. Disp 3. Withdrawal 4. Exit
  int ch = sc.nextInt();
    switch(ch)
    {
    case 1:
      SOP ("Enter amt");
      amt = sc.nextDouble();
      s. addBal (amt);
      break;
  case 2:
      s. dispBal ();
      break;
  case 3:
      SOP (" Enter amt");
    amt = sc.nextDouble ();
    s.withdrawal (amt);
      break;
  case 4:
      System. exit(0);
default: SOP ("Invalid choice");
    }
  }
}
```

```
else if (a==3)
        system.exit(0);
    else
      SOP("INVALID");
    }
  }
}
```

```
C:\Users\91966\Desktop\OOJLAB>java Bank
Enter your details:
Name:
NAYANA
Account Number:
123
Type of account:
1.Current account
2.Savings account
3.Exit
1
The current account provides cheque book facility but no interest.
Name: NAYANA    accno: 123      bal: 50000.0    type: Current
1:Deposit
2:Display Balance
3:Withdraw
4:Exit
3
Enter the amount to be withdrawn:
2000
1:Deposit
2:Display Balance
3:Withdraw
4:Exit
4

C:\Users\91966\Desktop\OOJLAB>
```