

```
#include<stdio.h>  name.java  or.v  Conversion.java  exe.jav
1  import java.util.*;
2  class Account
3  {
4      String name;
5      int accno;
6      String type;
7      double balance;
8      Scanner sc=new Scanner(System.in);
9      void accept()
10     {
11         System.out.println("enter name");
12         name=sc.next();
13         System.out.println("enter accno");
14         accno=sc.nextInt();
15     }
16 }
17
18 }
19 class Curr_acct extends Account
20 {
21     double deposit;
22     double withdraw;
23     double min_bal = 1000;
24     int penalty = 100;
25     Scanner sc=new Scanner(System.in);
26     void accept1()
27     {
28         System.out.println("enter the balance");
29         balance=sc.nextDouble();
30     }
31     void update()
32     {
33         System.out.println("enter the deposit");
34         deposit=sc.nextDouble();
35         balance+=deposit;
36         System.out.println("balance got updated to:"+balance);
37     }
38 }
```

```
#include<stdio.h>  name.java  or.v  Conversion.java
38 void check()
39 {
40     if(balance<min_bal)
41     {
42         System.out.println("a penalty of 100 is imposed");
43         balance-=penalty;
44         System.out.println("balance got updated to:"+balance);
45     }
46 }
47 void withdrawal()
48 {
49     System.out.println(" enter amt to be withdrawn");
50     withdraw=sc.nextDouble();
51     balance-=withdraw;
52     System.out.println("balance got updated to:"+balance);
53     check();
54 }
55 }
56 void display()
57 {
58     System.out.println("-----DETAILS-----");
59     System.out.println("name:"+name);
60     System.out.println("accno:"+accno);
61     System.out.println("type:"+type);
62     if(balance<0)
63     {
64         System.out.println("balance:0");
65         System.out.println("money to be deposited:"+(-balance));
66     }
67     else
68     {
69         System.out.println("balance:"+balance);
70         System.out.println("cheque book facility exist");
71     }
72 }
73 }
```

```
#include<stdio.h>  name.java  or.v  Conversion.java  exe.java  emp.

74  class sav_acct extends Account
75  {
76      double balance;
77      double deposit;
78      double withdraw;
79      double interest,time,rate;
80      Scanner sc=new Scanner(System.in);
81
82      void accept1()
83      {
84          System.out.println("enter the balance");
85          balance=sc.nextDouble();
86      }
87      void update()
88      {
89          System.out.println("enter the deposit");
90          deposit=sc.nextDouble();
91          balance+=deposit;
92          System.out.println("balance got updated to:"+balance);
93      }
94
95
96
97
98      void calcinterest()
99      {
100         System.out.println("a rate of 4.5% is given for deposits in savings bank acc");
101         System.out.println("enter the time duration for which interest to be calc");
102         time=sc.nextDouble();
103         rate=4.5;
104         double x,y;
105         x=(1+rate/100);
106         balance=balance*(Math.pow(x,time));
107
108
109     }
```

```
#include<stdio.h>  name.java  or.v  Conversion.java  exe.java

110     void withdrawal()
111     {
112         System.out.println(" enter amt to be withdrawn");
113         withdraw=sc.nextDouble();
114         balance-=withdraw;
115         System.out.println("balance got updated to:"+balance);
116     }
117
118     void display()
119     {
120         System.out.println("-----DETAILS-----");
121         System.out.println("name:"+name);
122         System.out.println("accno:"+accno);
123         System.out.println("type:"+type);
124         calcinterest();
125         if(balance<0)
126         {
127             System.out.println("balance:0");
128             System.out.println("money to be deposited:"+(-balance));
129         }
130         else
131             System.out.printf("balance:%.3f",balance);
132         System.out.println();
133
134         System.out.println("cheque book does not facility exist");
135     }
136
137
138
139
140 }
```

```
#include<stdio.h>
name.java x or.v x Conversion.java x ex
141
142 class Bank
143 {
144     public static void main(String args[])
145     {
146         int op,ch;
147
148         Scanner sc=new Scanner(System.in);
149
150         System.out.println("1.curr_Acct \n2.sav acct");
151         System.out.println("enter the type");
152         op=sc.nextInt();
153         if(op==1)
154         {
155             Curr_acct a=new Curr_acct();
156             a.type="curr_Acct";
157             a.accept();
158             a.accept1();
159             do{
160                 System.out.println("1.deposit 2.withdrawal 3.exit");
161                 System.out.println("enter your choice");
162                 ch=sc.nextInt();
163                 switch(ch)
164                 {
165                     case 1:
166                         a.update();
167                         break;
168                     case 2:
169                         a.withdrawal();
170                         break;
171                     case 3:
172                         a.display();
173                         break;
174                     default:
175                         System.out.println("wrong choice");
176                 }
177             }while(ch!=3);
178
179         }
180     }
```

```
181         if(op==2)
182         {
183             sav_acct b=new sav_acct();
184             b.type="sav_Acct";
185             b.accept();
186             b.accept1();
187             do{
188                 System.out.println("1.deposit 2.withdrawal 3.exit");
189                 System.out.println("enter your choice");
190                 ch=sc.nextInt();
191                 switch(ch)
192                 {
193                     case 1:
194                         b.update();
195                         break;
196                     case 2:
197                         b.withdrawal();
198                         break;
199                     case 3:
200                         b.display();
201                         break;
202                     default:
203                         System.out.println("wrong choice");
204                 }
205             }while(ch!=3);
206
207         }
208     }
209 }
```

```

cheque book facility exist
[Arvinds-MacBook-Pro:ooj Arvind$ java Bank
1.curr_Acct
2.sav acct
enter the type
2
enter name
aaa
enter accno
1234
enter the balance
1000
1.deposit 2.withdrawal 3.exit
enter your choice
1
enter the deposit
100
balance got updated to:1100.0
1.deposit 2.withdrawal 3.exit
enter your choice
2
    enter amt to be withdrawn
400
balance got updated to:700.0
1.deposit 2.withdrawal 3.exit
enter your choice
3
-----DETAILS-----
name:aaa
accno:1234
type:sav_Acct
a rate of 4.5% is given for deposits in savings bank acc
enter the time duration for which interest to be calc
1
balance:731,500
cheque book does not facility exist
Arvinds-MacBook-Pro:ooj Arvind$ █

```

```

cheque book facility exist
[Arvinds-MacBook-Pro:ooj Arvind$ java Bank
1.curr_Acct
2.sav acct
enter the type
2
enter name
aaa
enter accno
1234
enter the balance
1000
1.deposit 2.withdrawal 3.exit
enter your choice
1
enter the deposit
100
balance got updated to:1100.0
1.deposit 2.withdrawal 3.exit
enter your choice
2
    enter amt to be withdrawn
400
balance got updated to:700.0
1.deposit 2.withdrawal 3.exit
enter your choice
3
-----DETAILS-----
name:aaa
accno:1234
type:sav_Acct
a rate of 4.5% is given for deposits in savings bank acc
enter the time duration for which interest to be calc
1
balance:731,500
cheque book does not facility exist
Arvinds-MacBook-Pro:ooj Arvind$ █

```