

Stop

### Main.java

```
1 import java.util.Scanner;
2
3 class Account
4 {
5     private String name;
6     private double account_no;
7     private char account_type;
8     private double balance;
9
10    void getdata(char ch)
11    {
12        Scanner xx=new Scanner(System.in);
13        System.out.print("Enter the name of the customer : ");
14        name=xx.next();
15        xx.nextLine();
16        System.out.print("Enter the account number of the
17        customer : ");
18        account_no=xx.nextDouble();
19        System.out.print("Enter the balance of the customer :
20        ");
21        balance=xx.nextDouble();
22        account_type=ch;
23    }
24    void updatebalance(double x)
```

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Main.java

```
24     {
25         balance=balance+x;
26     }
27     void updatebalance1(double x)
28     {
29         balance=balance-x;
30     }
31     double getbalance()
32     {
33         return balance;
34     }
35     void displaybalance()
36     {
37         System.out.println("The balance is : "+balance);
38     }
39 }
40
41 class Saving_Account extends Account{
42     private double interest_rate;
43     Saving_Account()
44     {
45         Scanner xx=new Scanner(System.in);
46         getdata('S');
47         System.out.print("Enter the interest rate : ");
48         interest_rate=xx.nextDouble();
49 }
```

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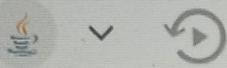
Main.java

```
49 }  
50 }  
51 void getdeposit()  
52 {  
53     Scanner xx=new Scanner(System.in);  
54     System.out.print("Enter the amount to be deposited :  
");  
55     double x=xx.nextDouble();  
56     updatebalance(x);  
57 }  
58 void computeinterest()  
59 {  
60     double x=(getbalance()*interest_rate)/100;  
61     updatebalance(x);  
62     System.out.println("The computed interest is : "+x);  
63     displaybalance();  
64 }  
65 void withdraw()  
66 {  
67     System.out.print("Enter the amount to be withdrawn :  
");  
68     Scanner xx=new Scanner(System.in);  
69     double x=xx.nextDouble();  
70     while(x>getbalance())  
71     {  
72         System.out.println("The amount withdrawn is more  
than the current balance. Please enter a valid amount.");  
73     }  
74 }
```

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Main.java

```
72     System.out.println("The amount withdrawn is more  
73     than the balance enter again : ");  
74     x=xx.nextDouble();  
75     }  
76     updatebalance1(x);  
77     displaybalance();  
78 }  
79  
80 class Current_Account extends Account{  
81     private double min_balance;  
82     private int cheque_book;  
83     Current_Account()  
84     {  
85         Scanner xx=new Scanner(System.in);  
86         getdata('C');  
87         System.out.print("Enter the minimum balance : ");  
88         min_balance=xx.nextDouble();  
89     }  
90  
91     void getdeposit()  
92     {  
93         Scanner xx=new Scanner(System.in);  
94         System.out.print("Enter the amount to be deposited :  
95         ");  
96         double y=xx.nextDouble();  
97     }  
98 }
```

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Main.java

```
95     double x=xx.nextDouble();      }
96     updatebalance(x);           }
97   }
98   void issuecheck()
99   {
100    Scanner xx=new Scanner(System.in);
101    System.out.print("Enter the amount of the check : ");
102    double x=xx.nextDouble();
103    if(x>(getbalance()-min_balance))
104    {
105      System.out.println("You have issued check of more
106      than the minimum balance and you have been charged
107      the penalty of 100 rupees");
108      updatebalance1(100);
109    }
110    updatebalance1(x);
111  }
112  displaybalance();
113}
114 void withdrawl()
115{
116  System.out.print("Enter the amount to be withdrawn :
117  ");
```



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Main.java

```
116 System.out.println("Enter the amount to be withdrawn : ");
117     ");
118 Scanner xx=new Scanner(System.in);
119 double x=xx.nextDouble();
120 while(x>(getbalance()-min_balance))
121 {
122     System.out.println("The amount withdrawn is more
123         than the balance enter again : ");
124     x=xx.nextDouble();
125 }
126 updatebalance1(x);
127 displaybalance();
128 }
129 public class Main{
130     public static void main(String args[])
131     {
132         Scanner input=new Scanner(System.in);
133         char ch;
134         System.out.println("Enter the type of account you
135             want (C/S) : ");
136         ch=input.next().charAt(0);
137         if(ch=='S'||ch=='s')
138             {
139                 Saving_Account s=new Saving_Account();
```

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## Main.java

```
138     Saving_Account s=new Saving_Account();
139     int x=1;
140     while(x!=0)
141     {
142         System.out.println("Enter 0 for exit : ");
143         System.out.println("Enter 1 for deposit : ");
144         System.out.println("Enter 2 for balance enquiry : ");
145         System.out.println("Enter 3 to calculate interest : ");
146         System.out.println("Enter 4 for withdrawl : ");
147         x=input.nextInt();
148         if(x==0)
149             break;
150         else if(x==1)
151         {
152             s.getdeposit();
153         }
154         else if(x==2)
155         {
156             s.displaybalance();
157         }
158         else if(x==3)
159         {
160             s.computeinterest();
```

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Main.java

```
161 }  
162     else if(x==4)  
163     {  
164         s.withdraw();  
165     }  
166 }  
167 }  
168 }  
169 else  
170 {  
171     Current_Account s=new Current_Account();  
172     int x=1;  
173     while(x!=0)  
174     {  
175         System.out.println("Enter 0 for exit : ");  
176         System.out.println("Enter 1 for deposit : ");  
177         System.out.println("Enter 2 for balance enquiry : ");  
178         System.out.println("Enter 3 to apply for cheque : ");  
179         System.out.println("Enter 4 for withdrawl : ");  
180         x=input.nextInt();  
181         if(x==0)  
182             break;  
183         else if(x==1)
```

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### Main.java

```
183     else if(x==1)
184     {
185         s.getdeposit();
186     }
187     else if(x==2)
188     {
189         s.displaybalance();
190     }
191     else if(x==3)
192     {
193         s.issuecheck();
194     }
195     else if(x==4)
196     {
197         s.withdrawl();
198     }
199
200     }
201     }
202     }
203 }
```



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Sign up

```
> javac -classpath .:/run_dir/junit-4.12.jar:target/dependency/* -d .
. Main.java
> java -classpath .:/run_dir/junit-4.12.jar:target/dependency/* Mai
n
Ebter the type of account you want (C/S) :
S
Enter the name of the customer : AS
Enter the account number of the customer : 1233
Enter the balance of the customer : 45
Enter the interest rate : 4
Enter 0 for exit :
Enter 1 for deposit :
Enter 2 for balance enquiry :
Enter 3 to calculate interest :
Enter 4 for withdrawl :
2
The balance is : 45.0
Enter 0 for exit :
Enter 1 for deposit :
Enter 2 for balance enquiry :
Enter 3 to calculate interest :
Enter 4 for withdrawl :
4
Enter the amount to be withdrawn : 30
The balance is : 15.0
Enter 0 for exit :
Enter 1 for deposit :
Enter 2 for balance enquiry :
Enter 3 to calculate interest :
```

Show all





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Sign

Enter 1 for deposit :

Enter 2 for balance enquiry :

Enter 3 to calculate interest :

Enter 4 for withdrawl :

4

Enter the amount to be withdrawn : 30

The balance is : 15.0

Enter 0 for exit :

Enter 1 for deposit :

Enter 2 for balance enquiry :

Enter 3 to calculate interest :

Enter 4 for withdrawl :

3

The computed interest is : 0.6

The balance is : 15.6

Enter 0 for exit :

Enter 1 for deposit :

Enter 2 for balance enquiry : 

Enter 3 to calculate interest :

Enter 4 for withdrawl :

3

The computed interest is : 0.624

The balance is : 16.224

Enter 0 for exit :

Enter 1 for deposit :

Enter 2 for balance enquiry :

Enter 3 to calculate interest :

Enter 4 for withdrawl :