

account.java - Visual Studio Code

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Area.java account.java X

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```
1 import java.util.Scanner;
2 class Account
{
3
4     String name,accnum,acctype;
5
6     double balance;
7     Account(){}
8     /*
9      *      if(a==1)
10         acctype="savings";
11     else if(a==2)
12         acctype="current";
13     */
14
15     void input()
16     {
17         Scanner sc=new Scanner(System.in);
18         System.out.println("enter name ,acc number");
19         name=sc.next();
20         accnum=sc.next();
21         acctype=sc.next();
22         System.out.println("enter balance");
23         balance=sc.nextInt();
24
25
26
27
28
29     void displaydetails()
30     {
31         System.out.println("\nname=" + name + "\nacccnumber=" + accnum + "\nbalance=" + balance);
32     }
33     void display()
34     {
35         System.out.println("balance=" + balance);
36     }
37
38 }
```

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② Area.java

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```
35     System.out.println("balance="+balance);  
36 }
```



```
37  
38  
39 }  
40  
41 class curracct extends Account  
42 {  
43     curracct()  
44     {  
45         acctype="current";  
46     }  
47     double minbal=5000;  
48  
49     void check()  
50     {  
51         double penalty=100;  
52         if(balance<minbal)  
53         {  
54             balance=balance-penalty;  
55             System.out.println("penalty is imposed");  
56             System.out.println("balance="+balance);  
57         }  
58         else  
59         {  
60             System.out.println("penalty not imposed");  
61         }  
62     }  
63  
64  
65     void deposit()  
66     {  
67         Scanner sc=new Scanner(System.in);  
68         System.out.print("enter amt to deposit:");  
69         double amt=sc.nextDouble();  
70         balance=balance+amt;  
71     }
```



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```
69     double amt=sc.nextDouble();
70     balance=balance+amt;
71   }
72 }
```

```
73 class savacc extends Account
74 {
75   savacc()
76   {
77     acctype="savings";
78   }
79   double ci;
80   void calcompound(int n,int t)
81   {
82     ci=balance*(Math.pow((1+(0.2/n)),(n*t)));
83     balance=balance+ci;
84     System.out.printf("compound interest:%.2f",ci);
85     System.out.printf("\nbalance:%.2f",balance);
86   }
87 }
88 }
89 void withdrawal(double amt)
90 {
91   double minbal=5000;
92   if(balance<5000)
93     System.out.println("amount cant be withdrawn as min balance(5000) constraint will be violated");
94   else
95     balance=balance-amt;
96 }
97 }
98 }
99 void deposit()
100 {
101   System.out.println("enter amount to deposit: ");
102   Scanner sc=new Scanner(system.in);
103   double deamt;
104   deamt=sc.nextDouble();
105 }
```

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```
C:\Users\Ajith\Desktop>java program > account.java
  108
  109 }
  110 class AccountMain
  111 {
  112     public static void main(String[] args)
  113     {
  114         Scanner sc=new Scanner(System.in);
  115
  116         //Account A=new Account();
  117
  118         System.out.println("enter 1 for savings account 2 for current account");
  119         int acctype=sc.nextInt();
  120
  121         savacc s=new savacc();
  122         curracct c=new curracct();
  123         if(acctype==1)
  124         {
  125
  126             System.out.println("enter your details: ");
  127             s.input();
  128             s.displaydetails();
  129             System.out.println("number of times interest to be compounded per unit t(n),time in years");
  130
  131             int n=sc.nextInt();
  132             int t=sc.nextInt();
  133             s.calcompound(n,t);
  134
  135             int m1=1;
  136             while(m1==1)
  137             {
  138                 System.out.println("enter 1.deposit 2.withdrawl 3.exit");
  139
  140                 int w=sc.nextInt();
  141                 if (w==1)
  142                 {
  143                     s.deposit();
  144
  145             }
  146
  147             else if (w==2)
  148             {
  149                 s.withdraw();
  150             }
  151             else if (w==3)
  152             {
  153                 System.out.println("exit");
  154             }
  155         }
  156     }
  157 }
```

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```
136     int n1=1;
137     while(n1==1)
138     {
139         System.out.println("enter 1.deposit 2.withdrawl 3.exit");
140         int w=sc.nextInt();
141         if(w==1)
142         {
143             {
144                 s.deposit();
145             }
146             else if(w==2)
147             {
148                 System.out.println("enter the amount :");
149                 double amt=sc.nextDouble();
150                 s.withdrawal(amt);
151                 s.display();
152             }
153         }
154         else
155         {
156             System.exit(0);
157         }
158     }
159 }
160
161 else if(acctype==2)
162 {
163     System.out.println("enter your details: ");
164     c.input();
165     c.displaydetails();
166     c.check();
167     c.deposit();
168     c.display();
169 }
170
171 }
172 }
```

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Share	View
This PC > Desktop > java program	
Name	Type
Date modified	Size
C:\Windows\System32\cmd.exe - java AccountMain	
ads	
Microsoft Windows [Version 10.0.18363.1139]	
(c) 2019 Microsoft Corporation. All rights reserved.	
C:\Users\Ajith\Desktop\java program>java AccountsMain	
Error: Could not find or load main class AccountsMain	
C:\Users\Ajith\Desktop\java program>java AccountMain	
enter 1 for savings account 2 for current account	
PERSON	
1	
program enter your details:	
enter name ,acc number	
ve	
xyz	
123455	
enter balance	
63000	
objects	
top	
name=xyz	
acctnumber=123455	
balance=63000.0	
account type=savings	
number of times interest to be compounded per unit t(n),time in years	
9	
3	
compound interest:114041.82	
balance:177041.82	
enter 1.deposit 2.withdrawl 3.exit	
er(C:)	
new Volume (D:	
work	