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D:\Java\Account.java (Java) - Sublime Text (UNREGISTERED)
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Account.java Book.java
1 import java.util.*;
2 import java.lang.*;
3
4 class Account {
5
6     String name, abc;
7     int accNo;
8     char accType;
9     double bal = 0;
10    double deposit;
11    Scanner in = new Scanner(System.in);
12
13    void input_data() {
14
15        System.out.println("Enter your account type (S/C:");
16        abc = in.nextLine();
17        accType = abc.charAt(0);
18    }
19
20    void deposit() {
21
22        System.out.println("Enter an amount to deposit: ");
23        deposit = in.nextDouble();
24
25        bal += deposit;
26        System.out.println("Balance has been updated. ");
27    }
28
29    void view_balance() {
30
31        System.out.println("Balance = " + bal);
32    }
33
34    public static void main(String[] args) {
35
36        Scanner s = new Scanner(System.in);
37        int x;
38        Account a1 = new Account();
39        a1.input_data();
40    }
41
Line 1, Column 1 Tab Size: 4 Java
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Account.java Book.java

```
41 ▼ if(a1.accType == 'C' || a1.accType == 'c'){
42
43     Current a2 = new Current();
44
45 ▼ do {
46     System.out.println("WELCOME TO YOUR CURRENT ACCOUNT");
47     System.out.println("1. Deposit ");
48     System.out.println("2. Check Balance ");
49     System.out.println("3. Issue Cheque ");
50     System.out.println("4. Exit");
51     System.out.println("Enter your choice: ");
52     x = s.nextInt();
53
54 ▼ switch(x) {
55     case 1: a2.deposit();
56     break;
57     case 2: a2.check_balance();
58     break;
59     case 3: a2.issue_cheque();
60     break;
61     case 4: System.exit(0);
62     break;
63     default: System.out.println("ERROR. INVALID
64         CHOICE.");
65     }
66 } while(x <= 4 && x >= 1);
67 }
68 ▼ else if (a1.accType == 'S' || a1.accType == 's'){
69
70     Savings a3 = new Savings();
71
72 ▼ do {
73     System.out.println("WELCOME TO YOUR SAVINGS ACCOUNT");
74     System.out.println("1. Deposit");
75     System.out.println("2. View Balance");
76     System.out.println("3. Withdraw ");
77     System.out.println("4. Calculate compound interest ");
78     System.out.println("5. Exit ");
79     System.out.println("Enter your choice: ");
```

Line 1, Column 1 Tab Size: 4 Java

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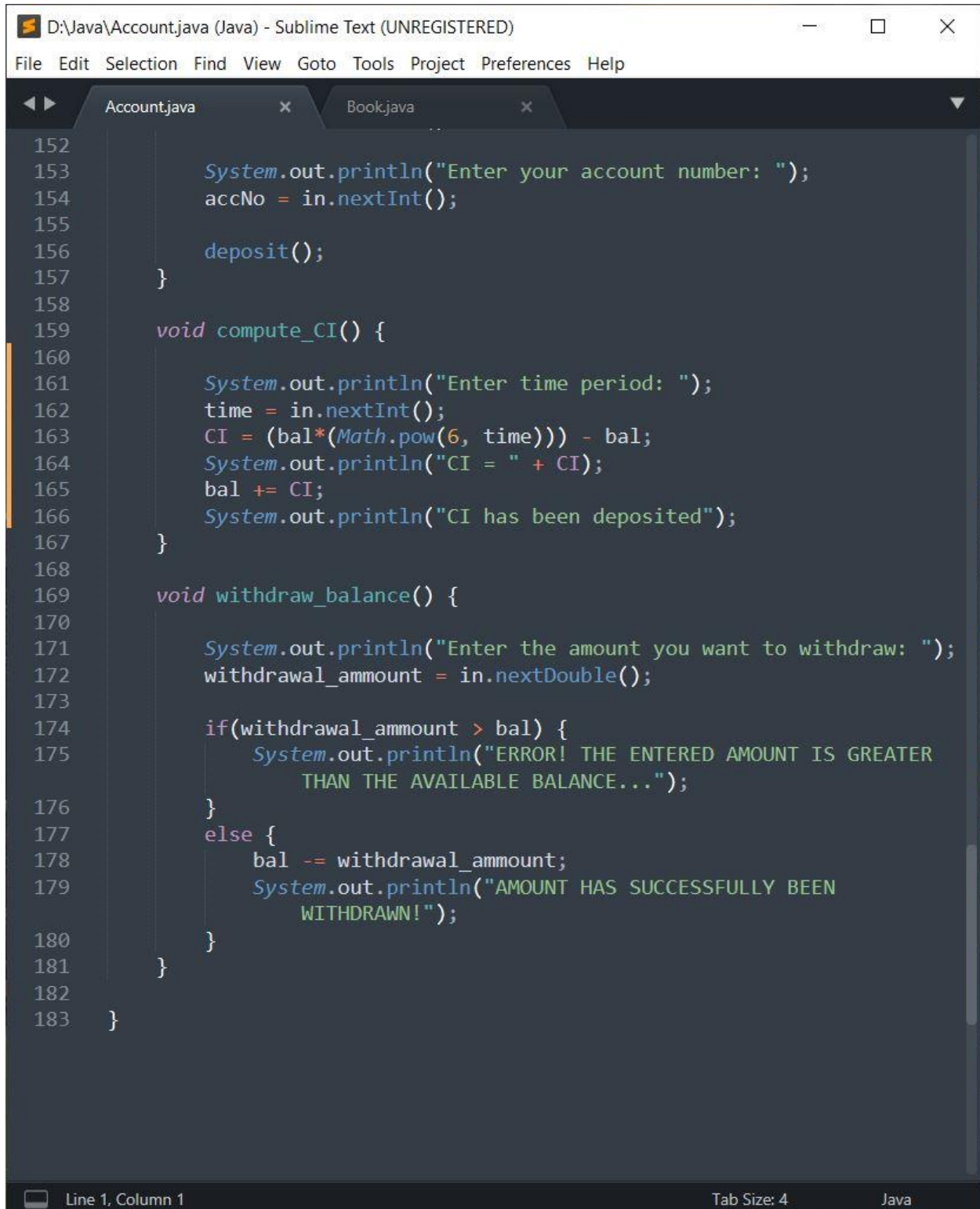
Account.java x Book.java x
79      System.out.println("Enter your choice: ");
80      x = s.nextInt();
81
82      switch(x) {
83          case 1: a3.deposit();
84                  break;
85          case 2: a3.view_balance();
86                  break;
87          case 3: a3.withdraw_balance();
88                  break;
89          case 4: a3.compute_CI();
90                  break;
91          case 5: System.exit(0);
92                  break;
93          default: System.out.println("ERROR. INVALID
94                      CHOICE.");
95      }
96
97      } while(x <= 5 && x >=1);
98  }
99  else System.out.println("INVALID ACCOUNT TYPE");
100 }
101 }
102
103 class Current extends Account {
104
105     Current() {
106
107         System.out.println("Enter your name: ");
108         name = in.nextLine();
109
110         System.out.println("Enter your account number: ");
111         accNo = in.nextInt();
112
113         deposit();
114     }
115
116     double chq_amount;
117 }
```

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Account.java x Book.java x
117
118 void issue_cheque() {
119
120     System.out.println("Enter amount for which cheque is to be
121         issued.");
122     chq_amount = in.nextDouble();
123     if(chq_amount > bal) {
124         System.out.println("ERROR! Insufficient balance in
125             account.");
126     }
127     else {
128         bal -= chq_amount;
129         System.out.println("Cheque has been issued SUCCESSFULLY");
130     }
131 }
132
133 void check_balance() {
134
135     if(bal < 1000) {
136
137         System.out.println("Current available balance is lesser
138             than minimum required balance.");
139         bal -= 100;
140         System.out.println("Service charge of Rs.100 has been
141             deducted from your balance.");
142     }
143     view_balance();
144 }
145
146 class Savings extends Account {
147
148     double CI, withdrawal_ammount, time;
149
150     Savings() {
151
152         System.out.println("Enter your name: ");
153         name = in.nextLine();
154     }
155 }
```

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Account.java Book.java

152
153     System.out.println("Enter your account number: ");
154     accNo = in.nextInt();
155
156     deposit();
157 }
158
159 void compute_CI() {
160
161     System.out.println("Enter time period: ");
162     time = in.nextInt();
163     CI = (bal*(Math.pow(6, time))) - bal;
164     System.out.println("CI = " + CI);
165     bal += CI;
166     System.out.println("CI has been deposited");
167 }
168
169 void withdraw_balance() {
170
171     System.out.println("Enter the amount you want to withdraw: ");
172     withdrawal_ammount = in.nextDouble();
173
174     if(withdrawal_ammount > bal) {
175         System.out.println("ERROR! THE ENTERED AMOUNT IS GREATER
176                               THAN THE AVAILABLE BALANCE...");
177     }
178     else {
179         bal -= withdrawal_ammount;
180         System.out.println("AMOUNT HAS SUCCESSFULLY BEEN
181                               WITHDRAWN!");
182     }
183 }
```

Line 1, Column 1 Tab Size: 4 Java

```
Command Prompt
D:\Java>java Account
Enter your account type (S/C):
S
Enter your name:
Ishan Bhandari
Enter your account number:
1234
Enter an amount to deposit:
5000
Balance has been updated.
WELCOME TO YOUR SAVINGS ACCOUNT
1. Deposit
2. View Balance
3. Withdraw
4. Calculate compound interest
5. Exit
Enter your choice:
1
Enter an amount to deposit:
1000
Balance has been updated.
WELCOME TO YOUR SAVINGS ACCOUNT
1. Deposit
2. View Balance
3. Withdraw
4. Calculate compound interest
5. Exit
Enter your choice:
2
Balance = 6000.0
WELCOME TO YOUR SAVINGS ACCOUNT
1. Deposit
2. View Balance
3. Withdraw
4. Calculate compound interest
5. Exit
Enter your choice:
3
Enter the amount you want to withdraw:
2000
AMOUNT HAS SUCCESSFULLY BEEN WITHDRAWN!
WELCOME TO YOUR SAVINGS ACCOUNT
1. Deposit
2. View Balance
3. Withdraw
4. Calculate compound interest
5. Exit
Enter your choice:
4
```

```
Command Prompt
Enter your choice:
4
Enter time period:
2
CI = 140000.0
CI has been deposited
WELCOME TO YOUR SAVINGS ACCOUNT
1. Deposit
2. View Balance
3. Withdraw
4. Calculate compound interest
5. Exit
Enter your choice:
5
D:\Java>
```

```
Command Prompt
D:\Java>java Account
Enter your account type (S/C):
C
Enter your name:
Ishan Bhandari
Enter your account number:
1234
Enter an amount to deposit:
5000
Balance has been updated.
WELCOME TO YOUR CURRENT ACCOUNT
1. Deposit
2. Check Balance
3. Issue Cheque
4. Exit
Enter your choice:
1
Enter an amount to deposit:
2000
Balance has been updated.
WELCOME TO YOUR CURRENT ACCOUNT
1. Deposit
2. Check Balance
3. Issue Cheque
4. Exit
Enter your choice:
2
Balance = 7000.0
WELCOME TO YOUR CURRENT ACCOUNT
1. Deposit
2. Check Balance
3. Issue Cheque
4. Exit
Enter your choice:
3
Enter amount for which cheque is to be issued.
2000
Cheque has been issued SUCCESSFULLY
WELCOME TO YOUR CURRENT ACCOUNT
1. Deposit
2. Check Balance
3. Issue Cheque
4. Exit
Enter your choice:
2
Balance = 5000.0
WELCOME TO YOUR CURRENT ACCOUNT
1. Deposit
2. Check Balance
```