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D:\Java\jdk1.8.0_261\bin\prog\Bank.java - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Bank.java ShapeMain.java
1 import java.util.Scanner;
2 import java.lang.Math;
3
4 class Account
5 { String name,type,accno;
6   double balance;
7
8   void deposit()
9   { Scanner get=new Scanner(System.in);
10    double depo;
11    System.out.println("Enter the deposit : ");
12    depo=get.nextDouble();
13    balance=balance+depo;
14  }
15  void withdraw()
16  { Scanner get=new Scanner(System.in);
17    double withdraw;
18    System.out.println("Enter the amount to withdraw: (<"+balance+"");
19    withdraw=get.nextDouble();
20    balance=balance-withdraw;
21    System.out.println("Balance : "+balance);
22  }
23 }
24
25 class Curr_acct extends Account
26 { int intr=6;
27   boolean cheque=true;
28   void dispblnc()
29   { System.out.println("Balance : "+balance);
30   }
31   void create()
32   { Scanner get=new Scanner(System.in);
```

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Java source file length: 3,841 lines: 140 Ln: 39 Col: 30 Sel: 0 | 0 Windows (CR LF) UTF-8 INS
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Bank.java ShapeMain.java
31 void create()
32 { Scanner get=new Scanner(System.in);
33   System.out.println("Name :");
34   name=get.next();
35   accno="current";
36   System.out.println("Account No :");
37   accno=get.next();
38   System.out.println("Balance :");
39   balance=get.nextDouble();
40 }
41
42 void check()
43 { System.out.println("\nMinimum Balance : "+5000);
44   if(balance<5000)
45   { System.out.println("Penalty is imposed please deposit minimum " + (5000-balance+200)+"Rs\nRs 200 Service charge");
46     deposit();
47     balance=balance-200;
48   }
49   else
50   { System.out.println("Balance : "+balance + "Safe");}
51 }
52
53 }
54
55 class Sav_acct extends Account
56 { double intr=7;
57   boolean cheque=false;
58   void dispblnc()
59   { System.out.println("Balance : "+balance);
60   }
61   void create()
62   { Scanner get=new Scanner(System.in);
```

```
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Bank.java ShapeMain.java
61 void create()
62 { Scanner get=new Scanner(System.in);
63   System.out.println("Name :");
64   name=get.next();
65   accno="savings";
66   System.out.println("Account No :");
67   accno=get.next();
68   System.out.println("Balance :");
69   balance=get.nextDouble();
70 }
71
72 void calcint()
73 { double interest;
74   Scanner get=new Scanner(System.in);
75   System.out.println("Enter time: ");
76   int time;
77   time=get.nextInt();
78   interest=balance*Math.pow((1+intr/100),time)-balance;
79   System.out.println("Interest : "+interest);
80   balance=balance+interest;
81   System.out.println("Balance : "+balance);
82 }
83
84 }
85
86 class Bank
87 { public static void main(String args[])
88   { Scanner get=new Scanner(System.in);
89     String type;
90     Sav_acct accs=new Sav_acct();
91     Curr_acct accr=new Curr_acct();
92     System.out.println("Enter type of account: (current/savings)");
```

```
Java source file length: 3,841 lines: 140 Ln: 39 Col: 30 Sel: 0 | 0 Windows (CR LF) UTF-8 INS
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Bank.java ShapeMain.java
91 Curr_acct accr=new Curr_acct();
92 System.out.println("Enter type of account: (current/savings)");
93 type=get.next();
94 if(type.equals("savings"))
95   accs.create();
96 else if(type.equals("current"))
97   accr.create();
98
99 int ch;
100 do
101 { System.out.println("\n1.Deposit\n2.Display Balance\n3.Deposit Interest\n4.Withdrawl\n5.Check\n6.Cheque Boook(under developme
102   ch=get.nextInt();
103   switch(ch)
104   { case 1 : if(type.equals("savings"))
105             accs.deposit();
106             else
107             accr.deposit();
108             break;
109     case 2 : if(type.equals("savings"))
110             accs.dispbnc();
111             else
112             accr.dispbnc();
113
114             break;
115     case 3 : if(type.equals("savings"))
116             accs.calcint();
117             else
118             System.out.println("This account does not have this provision");
119             break;
120     case 4 : if(type.equals("savings"))
121             accs.withdraw();
122             else
```

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Bank.java x ShapeMain.java x

110         accs.displnc();
111     else
112         accr.displnc();
113
114     break;
115 case 3 : if(type.equals("savings"))
116         accs.calcint();
117     else
118         System.out.println("This account does not have this provision");
119     break;
120 case 4 : if(type.equals("savings"))
121         accs.withdraw();
122     else
123         accr.withdraw();
124     break;
125 case 5 : if(type.equals("savings"))
126         System.out.println("This account does not have this provision");
127     else
128         accr.check();
129     break;
130 case 6 : if(type.equals("savings"))
131         System.out.println("This account does not have this provision");
132     else
133         System.out.println("This account does have this provision");
134     break;
135 default : if(ch!=7)
136             System.out.println("Enter valid option");
137 }
138 }while(ch!=7);
139 }
140 }
```

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```
Command Prompt - java Bank
D:\Java\jdk1.8.0_261\bin\prog>javac Bank.java
D:\Java\jdk1.8.0_261\bin\prog>java Bank
Enter type of account: (current/savings)
savings
Name :
rohit
Account No :
18765
Balance :
10000
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
1
Enter the deposit :
2000
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
2
Balance : 12000.0
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
3
Enter time:
3
Interest : 2700.5160000000014
Balance : 14700.516000000001
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
```

```
Command Prompt - java Bank
3
Interest : 2700.5160000000014
Balance : 14700.516000000001
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
4
Enter the amount to withdraw: (<14700.516000000001)
2000
Balance : 12700.516000000001
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
5
This account does not have this provision
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
6
This account does not have this provision
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
7
D:\Java\jdk1.8.0_261\bin\prog>java Bank
Enter type of account: (current/savings)
current
Name :
rohit
D:\Java\jdk1.8.0_261\bin\prog>
```

```
Command Prompt - java Bank
D:\Java\jdk1.8.0_261\bin\prog>java Bank
Enter type of account: (current/savings)
current
Name :
rohit
Account No :
187653
Balance :
10000
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
1
Enter the deposit :
3000
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
2
Balance : 13000.0
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
3
This account does not have this provision
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
4
```

Command Prompt - java Bank

```
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
4
Enter the amount to withdraw: (<13000.0)
100
Balance : 12900.0
```

```
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
5
```

```
Minimum Balance : 5000
Balance : 12900.0Safe
```

```
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
6
```

This account does have this provision

```
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
4
```

```
Enter the amount to withdraw: (<12900.0)
10000
Balance : 2900.0
```

```
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
```

Command Prompt - java Bank

```
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
4
Enter the amount to withdraw: (<12900.0)
10000
Balance : 2900.0
```

```
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
5
```

```
Minimum Balance : 5000
Penalty is imposed please deposit minimum 2300.0Rs
Rs 200 Service charge
Enter the deposit :
2500
```

```
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
2
```

```
Balance : 5200.0
```

```
1.Deposit
2.Display Balance
3.Deposit Interest
4.Withdrawl
5.Check
6.Cheque Boook(under developemnt)
7.Exit
```