

```
File Edit Selection View Go Run Terminal Help Bank.java - programs - Visual Studio Code

Bank.java X
practice > Bank.java > {} practice
1 package practice;
2 import java.util.*;
3 abstract class Account{
4     String c_name;
5     int acc_no;
6     float acc_bal;
7     byte acc_type;
8     Scanner scan=new Scanner(System.in);
9     Account(String c_name,int acc_no,float acc_bal,byte acc_type){
10         this.c_name=c_name;
11         this.acc_no=acc_no;
12         this.acc_bal=acc_bal;
13         this.acc_type=acc_type;
14     }
15     abstract void cheque();
16     abstract void interest();
17     void bal(){
18         System.out.println("Available balance is: "+acc_bal);
19     }
20     void withdrawal(){
21         if(acc_bal<1000){
22             acc_bal=0;
23             System.out.println("Service charge of Rs. 100 is imposed\n remaining balance: "+acc_bal);
24         }
25         System.out.println("Enter the withdrawal amount");
26         float with=scan.nextFloat();
27         System.out.println("Amount withdrawn is "+with);
28         System.out.println("Bal. Amount is : "+(acc_bal-with));
29     }
30     void deposits(){
31         System.out.println("Enter amount to deposit");
32         float dep=scan.nextFloat();
33         System.out.println("Amount deposited");
34         acc_bal+=dep;
35         System.out.println("Updated Bal: "+(acc_bal));
36     }
37     void display(){
38     }
39 }
40
41
42 class Savings extends Account{
43     Savings(String c_name,int acc_no,float acc_bal,byte acc_type){
44         super(c_name,acc_no,acc_bal,acc_type);
45     }
46     void cheque(){
47         System.out.println("Savings account doesnot have cheque book facility");
48     }
49     void interest(){
50         System.out.println("Previous balance : "+super.acc_bal+"\ninterest calculated : "+(super.acc_bal*.05)+"\nUpdated balance is: "+(super.acc_bal+super.acc_bal*.05));
51     }
52 }
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Java Go Live JavaSE-11
```

```
File Edit Selection View Go Run Terminal Help Bank.java - programs - Visual Studio Code

Bank.java X
practice > Bank.java > Account
49     void interest(){
50         System.out.println("Previous balance : "+super.acc_bal+"\ninterest calculated : "+(super.acc_bal*.05)+"\nUpdated balance is: "+(super.acc_bal+super.acc_bal*.05));
51     }
52 }
53 class Current extends Account{
54     Current(String c_name,int acc_no,float acc_bal,byte acc_type){
55         super(c_name,acc_no,acc_bal,acc_type);
56     }
57     void cheque(){
58         System.out.println("Current account have cheque book facility");
59     }
60     void interest(){
61         System.out.println("Current account doesnot give any interest");
62     }
63 }
64 }
65 public class Bank {
66     Run|Debug
67     public static void main(String[] args) {
68         Scanner sc=new Scanner(System.in);
69         System.out.println("Please enter your details:");
70         String name=sc.nextLine();
71         float balance=100.00f;
72         System.out.println("Account type : \n1) Press 1 for current \n2)Press 2 for Savings");
73         byte type=sc.nextByte();
74         System.out.println("Account Number :");
75         int ano=sc.nextInt();
76         while ((type!=1) && (type!=2)){
77             System.out.println("Input is not valid");
78             type=sc.nextByte();
79         }
80         System.out.println("Current Account Bal : 0.00");
81         int a=0;
82         if (type==1){
83             Current acc=new Current(name,ano,balance,type);
84             do{
85                 System.out.println("Choose actions to perform \n1)Deposits \n2)Withdrawal \n3)Cheque Book \n4)Interest \n5)Check Balance \n6)Exit");
86                 a=sc.nextInt();
87                 switch(a){
88                     case 1: acc.deposits();
89                     case 2: acc.withdrawal();
90                     case 3: acc.cheque();
91                     case 4: acc.interest();
92                     case 5: acc.bal();
93                     case 6: break;
94                 }
95             }while(a!=6);
96         }
97         else{
98             Current acc=new Current(name,ano,balance,type);
99             do{
100                 System.out.println("Choose actions to perform \n1)Deposits \n2)Withdrawal \n3)Cheque Book \n4)Interest \n5)Check Balance \n6)Exit");
101                 a=sc.nextInt();
102                 switch(a){
103                     case 1: acc.deposits();
104                     case 2: acc.withdrawal();
105                     case 3: acc.cheque();
106                     case 4: acc.interest();
107                     case 5: acc.bal();
108                     case 6: break;
109                 }
110             }while(a!=6);
111         }
112     }
113 }
Ln 14, Col 26 Spaces: 4 UTF-8 CRLF Java Go Live JavaSE-11
```

```
File Edit Selection View Go Run Terminal Help Bank.java - programs - Visual Studio Code

Bank.java X
practice > Bank.java > Account
Current acc=new Current(name,ano,balance,type);
83
84
85
86 System.out.println("Choose actions to perform \n1)Deposits \n2)Withdrawal \n3)Cheque Book \n4)Interest \n5)Check Balance \n6)Exit");
87 a=sc.nextInt();
88 switch(a){
89     case 1:acc.deposits();
90         break;
91     case 2:acc.withdrawal();
92         break;
93     case 3:acc.cheque();
94         break;
95     case 4:acc.interest();
96         break;
97     case 5:acc.bal();
98         break;
99     case 6:System.out.println("Exiting");;
100         break;
101     default:System.out.println("Invalid Input");
102 }
103 }while(a!=6);
104
105 else if (type==2){
106     Savings acc=new Savings(name,ano,balance,type);
107     do{
108         System.out.println("Choose actions to perform \n1)Deposits \n2)Withdrawal \n3)Cheque Book \n4)Interest \n5)Check Balance \n6)Exit");
109         a=sc.nextInt();
110         switch(a){
111             case 1:acc.deposits();
112                 break;
113             case 2:acc.withdrawal();
114                 break;
115             case 3:acc.cheque();
116                 break;
117             case 4:acc.interest();
118                 break;
119             case 5:acc.bal();
120                 break;
121             case 6:System.out.println("Exiting");;
122                 break;
123             default:System.out.println("Invalid Input");
124         }
125     }while(a!=6);
126 }
127 }
128 }
```

```
File Edit Selection View Go Run Terminal Help Bank.java - programs - Visual Studio Code

Bank.java X
practice > Bank.java > Account
89         break;
90     case 2:acc.withdrawal();
91         break;
92     case 3:acc.cheque();
93         break;
94     case 4:acc.interest();
95         break;
96     case 5:acc.bal();
97         break;
98     case 6:System.out.println("Exiting");;
99         break;
100     default:System.out.println("Invalid Input");
101 }
102 }while(a!=6);
103
104 else if (type==2){
105     Savings acc=new Savings(name,ano,balance,type);
106     do{
107         System.out.println("Choose actions to perform \n1)Deposits \n2)Withdrawal \n3)Cheque Book \n4)Interest \n5)Check Balance \n6)Exit");
108         a=sc.nextInt();
109         switch(a){
110             case 1:acc.deposits();
111                 break;
112             case 2:acc.withdrawal();
113                 break;
114             case 3:acc.cheque();
115                 break;
116             case 4:acc.interest();
117                 break;
118             case 5:acc.bal();
119                 break;
120             case 6:System.out.println("Exiting");;
121                 break;
122             default:System.out.println("Invalid Input");
123         }
124     }while(a!=6);
125 }
126 sc.close();
127 }
128 }
```

```
File Edit Selection View Go Run Terminal Help Bank.java - programs - Visual Studio Code
1: powershell
PS D:\java\programs> & 'C:\Users\prana\.vscode\extensions\vscjava.vscode-java-debug-0.29.0\scripts\launcher.bat' 'C:\Program Files\Java\jdk-11.0.9\bin\java.exe'
'-Dfile.encoding=UTF-8' '-cp' 'C:\Users\prana\AppData\Roaming\Code\User\workspaceStorage\13a451f2118e1796b42ad38d439eca73\redhat.java\jdt_ws\programs_98e0b5e3\bin'
'practice.Bank'
Please enter your details:
Name :
Pranav
Account type :
1) Press 1 for current
2) Press 2 for Savings
2
Account Number :
235345
Current Account Bal : 0.00
Choose actions to perform
1)Deposits
2)Withdrawal
3)Cheque Book
4)Interest
5)Check Balance
6)Exit
1
Enter amount to deposit
5000
Amount deposited
Updated Bal: 5100.0
Choose actions to perform
1)Deposits
2)Withdrawal
3)Cheque Book
4)Interest
5)Check Balance
6)Exit
2
Enter the withdrawal amount
1000
Amount withdrawn is 1000.0
Bal. Amount is : 4100.0
Choose actions to perform
1)Deposits
```

```
File Edit Selection View Go Run Terminal Help Bank.java - programs - Visual Studio Code
1: powershell
1000
Amount withdrawn is 1000.0
Bal. Amount is : 4100.0
Choose actions to perform
1)Deposits
2)Withdrawal
3)Cheque Book
4)Interest
5)Check Balance
6)Exit
3
Savings account doesnot have cheque book facility
Choose actions to perform
1)Deposits
2)Withdrawal
3)Cheque Book
4)Interest
5)Check Balance
6)Exit
5
Available balance is: 5100.0
Choose actions to perform
1)Deposits
2)Withdrawal
3)Cheque Book
4)Interest
5)Check Balance
6)Exit
4
Previous balance : 5100.0
Interest calculated : 255.0
Updated balance is: 5355.0
Choose actions to perform
1)Deposits
2)Withdrawal
3)Cheque Book
4)Interest
5)Check Balance
6)Exit
```