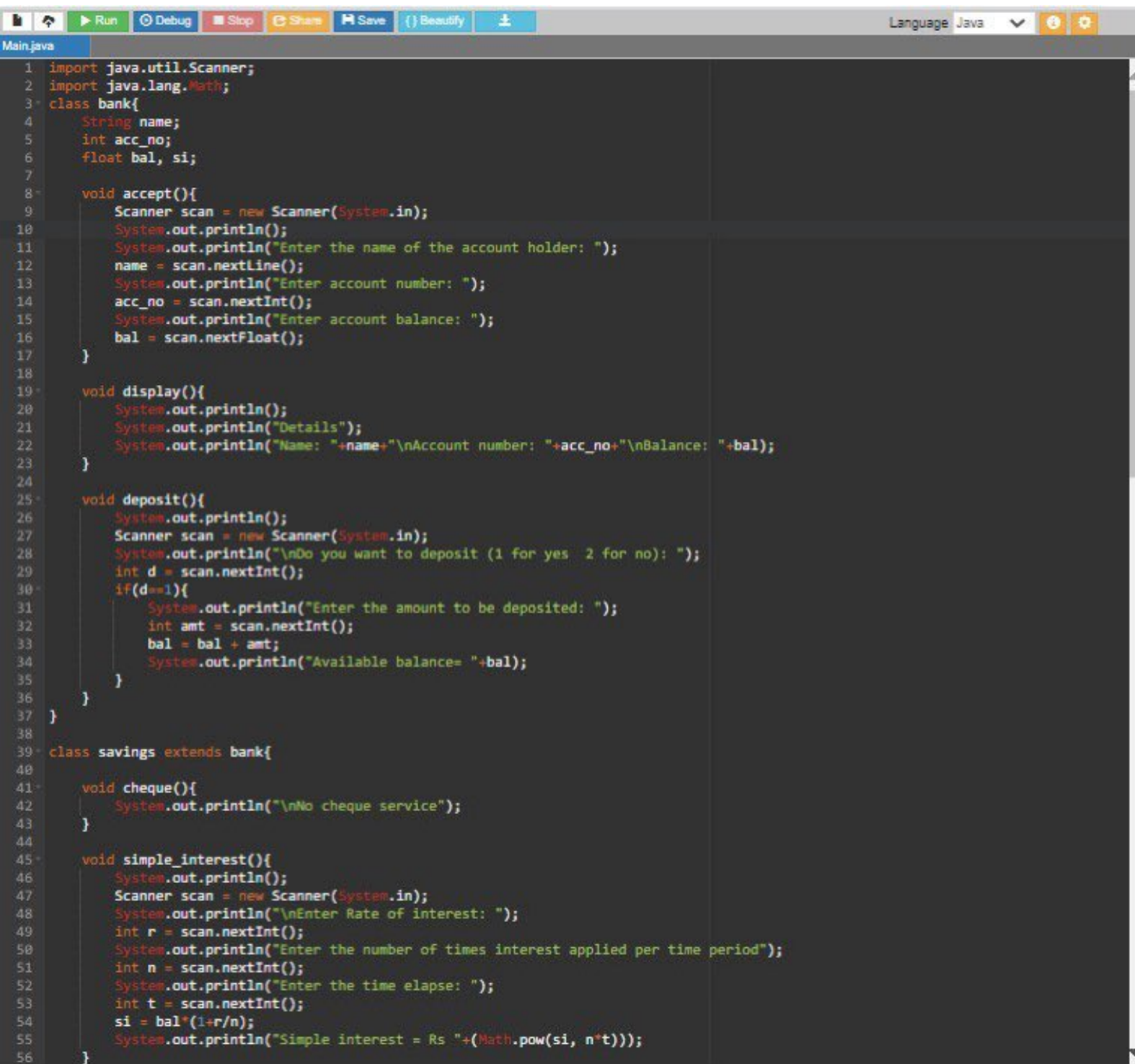


```

Main.java
83 Scanner scan = new Scanner(System.in);
84 System.out.println("Minimun balance = Rs 1000.00");
85 System.out.print("Enter the amount to be withdrawn: ");
86 amount = scan.nextFloat();
87 if(amount > bal)
88     System.out.println("Balance is insufficient");
89 else{
90     bal = bal - amount;
91     if(bal < 1000){
92
93         bal = bal - service_charge;
94         System.out.println("Service charge of Rs " + service_charge + " is added.");
95         System.out.println("Available balance= " + bal);
96     }
97     else{
98         System.out.println(amount + " withdrawn");
99         System.out.println("Available balance= " + bal);
100    }
101 }
102 }
103 }
104
105 public class Main
106 {
107     public static void main(String[] args) {
108
109         savings obj1 = new savings();
110         current obj2 = new current();
111
112         System.out.println("1. Savings");
113         System.out.println("2. Current");
114         System.out.print("Enter your choice: ");
115         Scanner scan = new Scanner(System.in);
116         int ch = scan.nextInt();
117         switch(ch){
118             case 1: obj1 = new savings();
119                     obj1.accept();
120                     obj1.display();
121                     obj1.cheque();
122                     obj1.deposit();
123                     obj1.simple_interest();
124                     obj1.withdrawal();
125                     break;
126
127             case 2: obj2 = new current();
128                     obj2.accept();
129                     obj2.display();
130                     obj2.cheque();
131                     obj2.deposit();
132                     obj2.withdrawal();
133                     break;
134
135             default: System.out.println("Invalid Input");
136         }
137     }
138 }
```



```
1 import java.util.Scanner;
2 import java.lang.Math;
3 class bank{
4     String name;
5     int acc_no;
6     float bal, si;
7
8     void accept(){
9         Scanner scan = new Scanner(System.in);
10        System.out.println();
11        System.out.println("Enter the name of the account holder: ");
12        name = scan.nextLine();
13        System.out.println("Enter account number: ");
14        acc_no = scan.nextInt();
15        System.out.println("Enter account balance: ");
16        bal = scan.nextFloat();
17    }
18
19    void display(){
20        System.out.println();
21        System.out.println("Details");
22        System.out.println("Name: "+name+"\nAccount number: "+acc_no+"\nBalance: "+bal);
23    }
24
25    void deposit(){
26        System.out.println();
27        Scanner scan = new Scanner(System.in);
28        System.out.println("\nDo you want to deposit (1 for yes 2 for no): ");
29        int d = scan.nextInt();
30        if(d==1){
31            System.out.println("Enter the amount to be deposited: ");
32            int amt = scan.nextInt();
33            bal = bal + amt;
34            System.out.println("Available balance= "+bal);
35        }
36    }
37 }
38
39 class savings extends bank{
40
41     void cheque(){
42         System.out.println("\nNo cheque service");
43     }
44
45     void simple_interest(){
46         System.out.println();
47         Scanner scan = new Scanner(System.in);
48         System.out.println("\nEnter Rate of interest: ");
49         int r = scan.nextInt();
50         System.out.println("Enter the number of times interest applied per time period");
51         int n = scan.nextInt();
52         System.out.println("Enter the time elapse: ");
53         int t = scan.nextInt();
54         si = bal*(1+r/n);
55         System.out.println("Simple interest = Rs "+(Math.pow(si, n*t)));
56     }
57 }
```

```

Main.java
58 void withdrawal(){
59     float amount;
60     Scanner scan = new Scanner(System.in);
61     System.out.println("No minimum balance required");
62     System.out.println("Enter the amount to be withdrawn");
63     amount = scan.nextFloat();
64     if(amount > bal)
65         System.out.println("Balance is insufficient");
66     else{
67         bal = bal - amount;
68         System.out.println(amount + " withdrawn");
69         System.out.println("Available balance= " + bal);
70     }
71 }
72 }
73
74 class current extends bank{
75     float service_charge = 100;
76
77     void cheque(){
78         System.out.println("\nCheque service available");
79     }
80
81     void withdrawal(){
82         float amount;
83         Scanner scan = new Scanner(System.in);
84         System.out.println("Minimum balance = Rs 1000.00");
85         System.out.print("Enter the amount to be withdrawn: ");
86         amount = scan.nextFloat();
87         if(amount > bal)
88             System.out.println("Balance is insufficient");
89         else{
90             bal = bal - amount;
91             if(bal < 1000){
92                 bal = bal - service_charge;
93                 System.out.println("Service charge of Rs " + service_charge + " is added.");
94                 System.out.println("Available balance= " + bal);
95             }
96         }
97         else{
98             System.out.println(amount + " withdrawn");
99             System.out.println("Available balance= " + bal);
100         }
101     }
102 }
103 }
104
105 public class Main
106 {
107     public static void main(String[] args) {
108
109         savings obj1 = new savings();
110         current obj2 = new current();
111
112         System.out.println("1. Savings");
113         System.out.println("2. Current");
114         System.out.print("Enter your choice: ");

```

```
input
Enter the name of the account holder:
Bhavya
Enter account number:
12345
Enter account balance:
1234

Details
Name: Bhavya
Account number: 12345
Balance: 1234.0

No cheque service

Do you want to deposit (1 for yes 2 for no):
1
Enter the amount to be deposited:
12
Available balance= 1246.0

Enter Rate of interest:
10
Enter the number of times interest applied per time period
1
Enter the time elapse:
1
Simple interest = Rs 13706.0
No minimum balance required
Enter the amount to be withdrawn
```

```

132         obj2.withdrawal(),
133         break;
134
135     default: System.out.println("Invalid Input");
136 }
137 }
138 }

```

input

Enter your choice: 2

Enter the name of the account holder:

Bhavya

Enter account number:

1432

Enter account balance:

432

Details

Name: Bhavya

Account number: 1432

Balance: 432.0

Cheque service available

Do you want to deposit (1 for yes 2 for no):

1

Enter the amount to be deposited:

123

Available balance= 555.0

Minimum balance = Rs 1000.00