

```
1  import java.util.Scanner;
2
3  /*interface Bank
4  {
5      String Deposit(double amt);
6  }
7
8
9
10 class StateBank
11 {
12     private double balance;
13 }*/
14
15 interface Bank
16 {
17     String deposit(double amt);
18     double withdraw(double amt);
19     String depositMessage();
20     String withdrawMessge();
21 }
22
23 class StateBank implements Bank
24 {
25     private double balance;
26     static
27     {
28         System.out.println("Welcome in State Bank");
29     }
30     @Override
31     public String deposit(double amt)
32     {
33         this.balance=this.balance+amt;
34         String deport=depositMessage();
35         return deport;
36     }
37
38     @Override
39     public double withdraw(double amt)
40     {
41         this.balance=this.balance-amt;
42         String withrt=withdrawMessge();
43         System.out.println(withrt);
44         return balance;
45     }
46
47     @Override
48     public String depositMessage()
49     {
50         System.out.println("your money is deposited succcessfully");
51         return "your current balance is :"+balance;
52     }
53 }
```

```
54     @Override
55     public String withdrawMessge()
56     {
57         return balance+" is debited from your account.";
58     }
59
60 }
61
62 class kotak implements Bank
63 {
64     private double balance;
65     static
66     {
67         System.out.println("Welcome in kotak");
68     }
69     @Override
70     public String deposit(double amt)
71     {
72         this.balance=this.balance+amt;
73         String deport=depositMessage();
74         return deport;
75     }
76
77     @Override
78     public double withdrow(double amt)
79     {
80         this.balance=this.balance-amt;
81         String withrt=withdrawMessge();
82         System.out.println(withrt);
83         return balance;
84     }
85
86     @Override
87     public String depositMessage()
88     {
89         System.out.println("your money is deposited succcessfully");
90         return "your current balance is :"+balance;
91     }
92
93     @Override
94     public String withdrawMessge()
95     {
96         return balance+" is debited from your account.";
97     }
98
99 }
100
101
102 class ATMServise
103 {
104     Bank bank;
105     void BankName(String bank) throws InstantiationException, IllegalA
106     {
```

```
107         Class cls= Class.forName(bank);
108         Object obj=cls.newInstance();
109         if(obj instanceof Bank)
110         {
111             this.bank=(Bank) obj;
112         }
113     }
114 }
115 }
116
117 void depoServise(double amt)
118 {
119     String d= bank.deposit(amt);
120     System.out.println(d);
121 }
122 void withServise(double amt)
123 {
124     double w=bank.withdraw(amt);
125     System.out.println(w);
126 }
127 }
128
129
130 public class BankuserTestProject
131 {
132
133     public static void main(String[] args)
134     {
135         Scanner sc;
136         ATMServise atm;
137         try
138         {
139             sc= new Scanner(System.in);
140             atm=new ATMServise();
141             double damt=0;
142             double wamt=0;
143             //System.out.println("Insert card");
144             System.out.print("Enter Bank Name : ");
145             atm.BankName(sc.nextLine());
146
147             System.out.println("Enter 1 for deposite");
148             System.out.println("Enter 2 for withdraw");
149             System.out.print("Enter option for perform operation : ");
150             int option=sc.nextInt();
151             switch(option)
152             {
153                 case 1:
154                     System.out.print("Enter amount for deposite : ");
155                     damt=sc.nextDouble();
156                     atm.depoServise(damt);
157                     break;
158                 case 2:
159                     System.out.print("Enter amount for withdraw : ");
```

```
160         want=sc.nextDouble();
161         atm.depoServise(wamt);
162         default:
163             System.out.println("Sorry ! This Service not available...");
164     }
165 }
166 catch(Exception e)
167 {
168     e.printStackTrace();
169 }
170 }
171 }
```