

```

1 package javapractice;
2
3 import java.util.Scanner;
4
5 abstract class ATM{ //parent class
6     double balance;
7     ATM(double balance){ //parent constructor
8         this.balance=balance;
9     }
10    abstract void withdraw(double amount);
11    abstract void deposit(double amount);
12    abstract void checkBal();
13
14 }
15 class SBI extends ATM{ //child class
16     SBI(double balance){ //child constructor
17         super(balance);
18     }
19    //withdraw method
20    void withdraw(double amount) {
21        if(amount>0 && amount<=balance) {
22            balance -= amount;
23            System.out.println("Withdrawl Success:Avl
24        }
25        else {
26            System.out.println("Insufficient balance");
27        }
28    }
29 }
30 //deposit method
31 void deposit(double amount) {
32     if(amount>0) {
33         balance+=amount;
34         System.out.println("Deposited successfully:Avl
35     }else {
36         System.out.println("Invalid amount");
37     }
38 }

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39 //check balance
40 void checkBal() {
41     System.out.println("current balance"+balance);
42
43 }
44 }
45 public class ATM_abstraction {
46
47     public static void main(String[] args) {
48         Scanner s=new Scanner(System.in);
49         SBI b=new SBI(1000); //initial amt
50         while(true) {
51             System.out.println("----ATM MENU----");
52             System.out.println("1.Withdraw money");
53             System.out.println("2.Deposit money");
54             System.out.println("3.Check balance");
55             System.out.println("4.Exit");
56             System.out.println("-----");
57
58             System.out.println("Enter your choice:");
59             int choice=s.nextInt();
60             switch(choice) {
61                 case 1:
62                     System.out.println("Enter amount to withdraw:");
63                     double with_amt=s.nextDouble();
64                     b.withDraw(with_amt);
65                     break;
66                 case 2:
67                     System.out.println("Enter amount to deposit:");
68                     double dep_amt=s.nextDouble();
69                     b.deposit(dep_amt);
70                     break;
71                 case 3:
72                     System.out.println("Available balance:");
73                     b.checkBal();
74                     break;
75                 case 4:
76                     System.out.println("Thank you for using SBI..");

```

```
77 s.close();
78 System.exit(0);
79 default:
80 System.out.println("Enter valid choice:");
81 }
82 }
83 }
84 }
```