

```
1 import java.util.*;
2
3
4 class ATM{
5     float Balance;
6
7     int PIN = 5678;
8
9     // building a function to check the entered pin
10
11
12
13
14
15     public void checkpin(){
16         System.out.println("Welcome to the ATM");
17
18         System.out.println("Enter your pin: ");
19         Scanner sc = new Scanner(System.in);
20         int enteredpin = sc.nextInt();
21         if (enteredpin == PIN){
22             menu();
23         }
24         else{
25             System.out.println("Enter a valid pin");
26
27         }
28     }
29
30     // if it is valid pin the user executes to the
menu
31     // choose the following options and services
available
32     public void menu(){
33         System.out.println("1. Check A/C Balance");
34         System.out.println("2. Withdraw Money");
35         System.out.println("3. Deposit Money");
36         System.out.println("4.Exit");
37         System.out.println("Enter Your Choice:");
38
39         Scanner sc = new Scanner(System.in);
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40         int opt = sc.nextInt();
41
42         if(opt == 1){
43             checkBalance();
44         }
45         else if(opt == 2){
46             withdrawMoney();
47         }
48         else if(opt == 3){
49             depositMoney();
50         }
51         else if(opt == 4){
52             return;
53         }
54         else{
55             System.out.println("enter a valid choice
56         :");
57     }
58
59     public void checkBalance() {
60         System.out.println("Balance:" + Balance);
61
62         menu();
63     }
64
65     public void withdrawMoney(){
66         System.out.println("Enter Amount to withdraw
67         : ");
68         Scanner sc = new Scanner(System.in);
69         float amount = sc.nextFloat();
70         if(amount > Balance){
71             System.out.println("Insufficient Balance"
72         );
73         }
74         else{
75             Balance = Balance - amount;
76             System.out.println("Money Withdrawl
77         Successfull");
78         }
79         menu();
80     }
```

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77
78
79     }
80
81     public void depositMoney(){
82         System.out.println("Enter the Amount:");
83         Scanner sc = new Scanner(System.in);
84         float amount = sc.nextFloat();
85         Balance = Balance + amount;
86         System.out.println("Money deposited
successfully");
87
88         menu();
89
90
91
92     }
93
94
95 }
96 public class ATMMachine {
97     public static void main(String[] args) {
98
99         ATM obj = new ATM();
100         obj.checkpin();
101     }
102 }
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