

```

1 import java.io.*;
2
3 public class question54
4 {
5     public static void main(String args[])throws IOException
6     {
7         InputStreamReader read=new InputStreamReader(System.in);
8         BufferedReader in=new BufferedReader(read);
9
10        String users[]=new String[5]; //5 bank accounts allowed
11        int accountbalance[]=new int[5]; // so what we are doing is that we will be
        using the index of the
12
13        String username="";
14        int n;
15        int no_of_users=0;//this keeps a track of the number of users in the bank
16
17        do
18        {
19            System.out.print("Enter \n1. to open an account\n2. to deposit money\n3. to
        withdraw money\n0. to exit ->");
20            n=Integer.parseInt(in.readLine());
21
22            if(n==1)
23            {
24                if(no_of_users!=5)
25                {
26                    System.out.print("Enter the username >");
27                    username=in.readLine();
28                    users[no_of_users]=username;
29                    accountbalance[no_of_users]=0;//making this user's entry in the
        account balance section
30                }
31            }
32            else if(n==2)
33            {
34                System.out.print("Enter the username >");
35                username=in.readLine();
36
37                int userno=0;//to find the array index of this user
38                for(int i=0;i<users.length;i++)
39                {
40                    if(users[i].equalsIgnoreCase(username))
41                    {
42                        userno=i;
43                        break;
44                    }
45                }
46
47                System.out.print("Enter the amount you wish to deposit ->");
48                int amt=Integer.parseInt(in.readLine());
49
50                accountbalance[userno]=accountbalance[userno]+amt;
51
52                System.out.println("Remaining balance:"+accountbalance[userno]);
53            }
54            else if(n==3)
55            {
56                System.out.print("Enter the username >");
57                username=in.readLine();
58
59                int userno=0;//to find the array index of this user
60                for(int i=0;i<users.length;i++)
61                {
62                    if(users[i].equalsIgnoreCase(username))

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63         {
64             userno=i;
65             break;
66         }
67     }
68
69     System.out.print("Enter the amount you wish to withdraw ->");
70     int amt=Integer.parseInt(in.readLine());
71
72     accountbalance[userno]=accountbalance[userno]-amt;
73
74     System.out.println("Remaining balance:"+accountbalance[userno]);
75 }
76
77 }while(n!=0);
78
79 }
80 }
```