



```

1 //name-pushpendra rawat
2 //section-mca2c
3 //rollnum-2001109
4
5 import java.io.*;
6 import java.lang.*;
7 class LessBalanceException extends Exception
8 {
9     LessBalanceException(double amt)
10 {
11     System.out.println("Withdrawing "+amt+" is invlaid");
12 }
13 }
14 class Account
15 {
16     static int count=0;
17     int accno;
18     double bal;
19     String name;
20     Account(double bal,String n,int accno)
21 {
22     System.out.println("\nNew Account opened....!!");
23     this.bal=bal;
24     count++;
25     System.out.println("Account Holder Name : " + n);
26     name=n;
27     System.out.println("Your Account Number is : "+accno);
28     this.accno=accno;
29     System.out.println("Total number of accounts : "+count);
30
31 }
32 void deposit(double amt)
33 {

```

I



 Execute |  Share | Source File | STDIN

```
33 {
34     System.out.println("Availabe Balance : "+bal);
35     bal=bal+amt;
36     System.out.println("Rs. : "+amt+" /- Created");
37     System.out.println("Balance : "+bal);
38 }
39 void withdraw(double amt) throws LessBalanceException
40 {
41     System.out.println("\nAvailabe Balance : "+bal);
42     bal-=amt;
43     if(bal<500)
44     {
45         bal+=amt;
46         throw new LessBalanceException(amt);
47     }
48     System.out.println("Rs. : "+amt+" /-Debited");
49     System.out.println("Balacne : "+bal);
50 }
51 void balance()
52 {
53     System.out.println("\nCustomer information");
54     System.out.println("=====");
55     System.out.println("Customer Name : "+name);
56     System.out.println("Account Number : "+accno);
57     System.out.println("Balance : "+bal);
58 }
59 }
60 class AccountDemo
61 {
62     static int i=0;
63     public static void main(String argv[]) throws IOException
64     {
65         Account ob[]=new Account[10];
```



Execute	Share	Source File	STDIN
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```



66  BufferedReader br=new BufferedReader(new InputStreamReader(System.in));
67  double amt;
68  String name;
69  int ch,accno,k;
70  boolean t=false;
71  while(true)
72  {
73      System.out.println("\n*** Bank Transaction ***");
74      System.out.println("1.Open new Account\n2.Deposit");
75      System.out.println("3.Withdraw\n4.Balance\n5.Exit");
76      System.out.print("Enter your choice : ");
77      ch=Integer.parseInt(br.readLine());
78      switch(ch)
79      {
80          case 1:
81              System.out.println("Opening New Account : ");
82              System.out.print("Enter your name : ");
83              name=br.readLine();
84              System.out.print("\nEnter Account Number : ");
85              accno=Integer.parseInt(br.readLine());
86              System.out.print("\nEnter initial amount(to be >=500) : ");
87              amt=Double.parseDouble(br.readLine());
88              if(amt<500)
89                  System.out.println("You cannot create an account with less than Rs.500/-");
90              else
91              {
92                  ob[i]=new Account(amt,name,accno);
93                  i++;
94              }
95              break;
96
97          case 2:

```





```
97 case 2:
98 System.out.print("\nEnter Account number : ");
99 accno=Integer.parseInt(br.readLine());
100 for(k=0;k<i;k++)
101 if(accno==ob[k].accno)
102 {
103     t=true;
104     break;
105 }
106
107 if(t)
108 {
109     System.out.print("\nEnter the Amount for Deposit : ");
110     amt=Double.parseDouble(br.readLine());
111     ob[k].deposit(amt);
112 }
113 else
114 System.out.println("Invalid Account Number...!!!");
115 t=false;
116 break;
117
118 case 3:
119 System.out.print("\nEnter Account number : ");
120 accno=Integer.parseInt(br.readLine());
121 for(k=0;k<i;k++)
122 if(accno==ob[k].accno)
123 {
124     t=true;
125     break;
126 }
127
128 if(t)
129 {
```



 Execute |  Share Source File STDIN

```
129 {
130     System.out.print("\nEnter the Amount for Withdraw : ");
131     amt=Double.parseDouble(br.readLine());
132     try
133     {
134         ob[k].withdraw(amt);
135     }
136     catch(LessBalanceException e)
137     {}
138 }
139 else
140 System.out.println("Invalid Account Number...!!!");
141 t=false;
142 break;
143
144 case 4:
145 System.out.print("\nEnter Account number : ");
146 accno=Integer.parseInt(br.readLine());
147 for(k=0;k<i;k++)
148 if(accno==ob[k].accno)
149 {
150     t=true;
151     break;
152 }
153
154 if(t)
155 {
156     //System.out.println(accno + " asdfsdf " +ob[k].accno);
157     ob[k].balance();
158 }
159 else
160 System.out.println("Invalid Account Number...!!!");
```



 Execute |  Share | Source File | STDIN

```
138     }
139     else
140     System.out.println("Invalid Account Number...!!!");
141     t=false;
142     break;
143
144     case 4:
145     System.out.print("\nEnter Account number : ");
146     accno=Integer.parseInt(br.readLine());
147     for(k=0;k<i;k++)
148     if(accno==ob[k].accno)
149     {
150         t=true;
151         break;
152     }
153
154     if(t)
155     {
156         //System.out.println(accno + " asdfsdf " +ob[k].accno);
157         ob[k].balance();
158     }
159     else
160     System.out.println("Invalid Account Number...!!!");
161     t=false;
162     break;
163
164     case 5:
165     System.exit(1);
166     default: System.out.println("Invalid Choice !!!");
167     }
168 }
169 }
```

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Run Debug Stop Share Save Beauty

Language Java

Main.java  
1 import java.io.\*;  
2 import java.lang.\*;

input  
Enter Account number : 5000  
Invalid Account Number...!!!  
  
\*\*\* Bank Transaction \*\*\*  
1.Open new Account  
2.Deposit  
3.Withdraw  
4.Balance  
5.Exit  
Enter your choice : 4  
Enter Account number : 147  
  
< Customer information  
-----  
Customer Name : Paritosh  
Account Number : 147  
Balance : 2000.0  
  
\*\*\* Bank Transaction \*\*\*  
1.Open new Account  
2.Deposit  
3.Withdraw  
4.Balance  
5.Exit  
Enter your choice : 5  
  
... Program finished with exit code 0  
Press ENTER to exit console

Call Stack  
# Function File:Line

Local Variables  
Variable Value

Registers  
Register Value

Display Expressions  
Expression Value  
Enter expression to watch

Breakpoints and Watchpoints  
# Description

Activate Windows

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```
1 import java.io.*;
2 import java.lang.*;

*** Bank Transaction ***
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice : 1
Opening New Account :
Enter your name : Paritosh
Enter Account Number : 147
Enter initial amount(to be >=500) : 2000
<
New Account opened....!!
Account Holder Name : Paritosh
Your Account Number is : 147
Total number of accounts : 1

*** Bank Transaction ***
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice : 3
Enter Account number : 5000
Invalid Account Number....!!
```

Local Variables

Variable	Value
----------	-------

Registers

Register	Value
----------	-------

Display Expressions

Expression	Value
------------	-------

Enter expression to watch

Breakpoints and Watchpoints

#	Description
---	-------------



Execute | > Share Source File STDIN

```
1 //name-pushpendra rawat
2 //section-mca2c
3 //rollnum-2001109
4
5 class test{
6     public static void main(String[] args){
7
8         String input = "pritosh";
9         String output = "";
10        char c1 = input.charAt(0);
11        char c2 = input.charAt(input.length()-1);
12        output = "" + String.valueOf(c1).toUpperCase();
13        int length = input.length()-2;
14        while(length>0){
15            output = output + String.valueOf(input.charAt(length));
16            length--;
17        }
18        output = output + String.valueOf(c2).toUpperCase();
19        System.out.println("Input: " + input);
20        System.out.println("Output: " + output);
21    }
22 }
```



A screenshot of a console window with a black background and green text. The window has a title bar with standard icons on the left and the word "Input" on the right. The text inside the console shows the input string "Paritosh" and the output string "PsotiraH". It also displays a message indicating the program finished with exit code 0 and prompts the user to press ENTER to exit the console.

```
Input: Paritosh
Output: PsotiraH

...Program finished with exit code 0
Press ENTER to exit console.
```