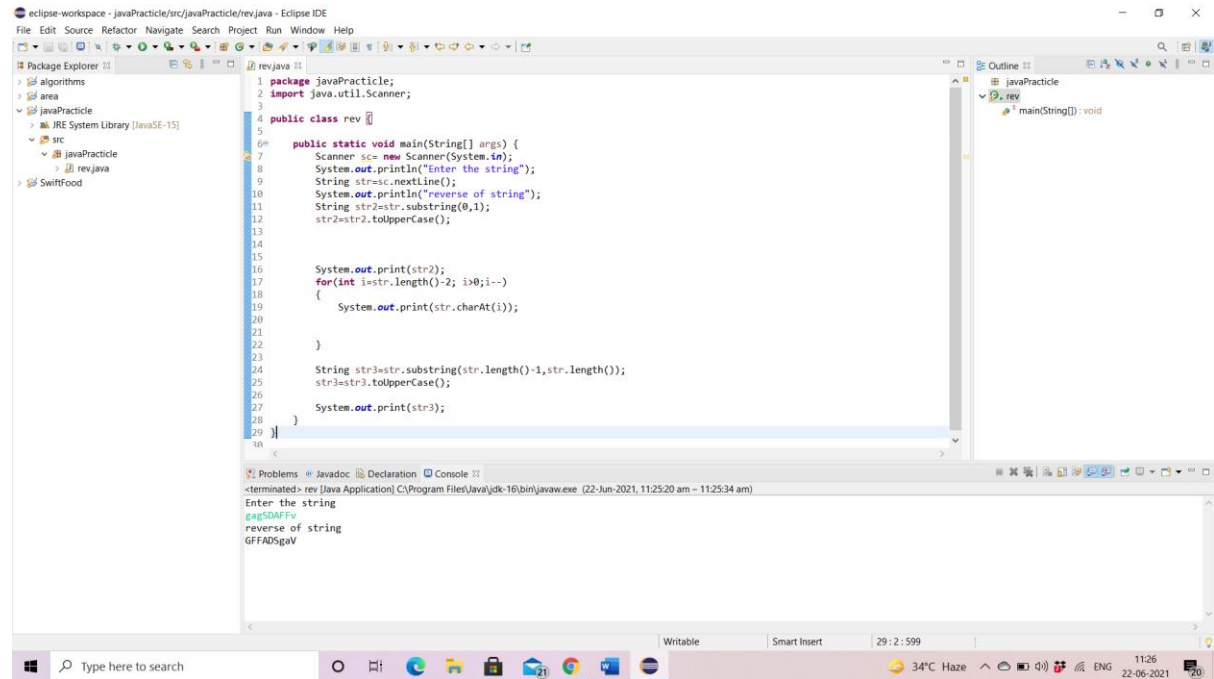


Que1-



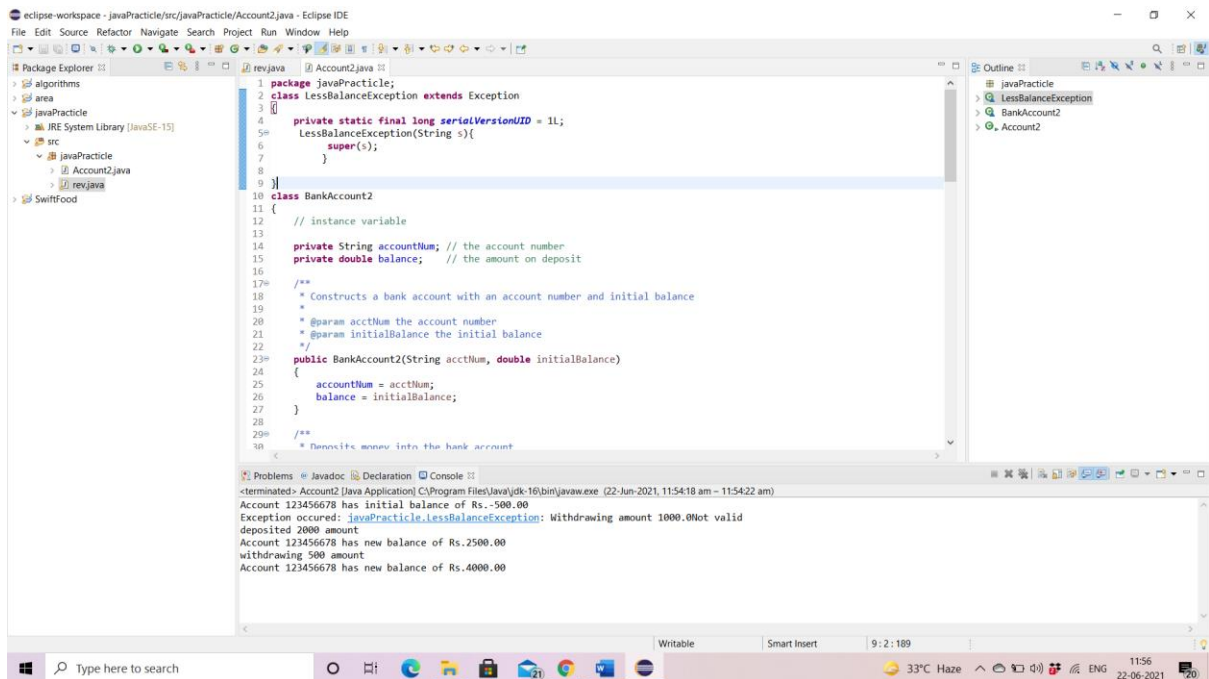
The screenshot shows the Eclipse IDE with a Java project named 'javaPractice'. The source file 'rev.java' contains the following code:

```
1 package javaPractice;
2 import java.util.Scanner;
3
4 public class rev {
5
6     public static void main(String[] args) {
7         Scanner sc= new Scanner(System.in);
8         System.out.println("Enter the string");
9         String str=sc.nextLine();
10        System.out.println("reverse of string");
11        String str2=str.substring(0,1);
12        str2=str2.toUpperCase();
13
14
15
16        System.out.print(str2);
17        for(int i=str.length()-2; i>0;i--)
18        {
19            System.out.print(str.charAt(i));
20
21        }
22
23
24        String str3=str.substring(str.length()-1,str.length());
25        str3=str3.toUpperCase();
26
27        System.out.print(str3);
28    }
29 }
30
```

The console output shows the execution results:

```
<terminated> rev [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (22-Jun-2021, 11:25:20 am - 11:25:34 am)
Enter the string
egSdAFv
reverse of string
GFFADsgaV
```

Que2



```
1 package javaPractice;
2 class LessBalanceException extends Exception
3 {
4     private static final long serialVersionUID = 1L;
5     LessBalanceException(String s){
6         super(s);
7     }
8 }
9
10 class BankAccount2
11 {
12     // instance variable
13
14     private String accountNum; // the account number
15     private double balance; // the amount on deposit
16
17     /**
18      * Constructs a bank account with an account number and initial balance
19      *
20      * @param acctNum the account number
21      * @param initialBalance the initial balance
22      */
23     public BankAccount2(String acctNum, double initialBalance)
24     {
25         accountNum = acctNum;
26         balance = initialBalance;
27     }
28
29     /**
30      * Deposits money into the bank account
31      *
32      * @param amount the amount to deposit
33      */
34     public void deposit(double amount) // note "mutator" method
35     {
36         double newBalance = balance + amount;
37         balance = newBalance; // modifies instance var
38     }
39
40     /**
41      * Withdraws money from the bank account.
42      *
43      * @param amount the amount to withdraw
44      */
45     public void withdraw(double amount) throws LessBalanceException // note "mutator" method
46     {
47         if(amount > balance)
48         {
49             throw new LessBalanceException("Withdrawing amount "+amount+"Not valid");
50         }
51         else {
52             double newBalance = balance - amount;
53             balance = newBalance;
54         }
55     }
56
57     /**
58      * Gets the account number
59      */
60     public String getAccountNum()
61     {
62         return accountNum;
63     }
64 }
```

Problems Javadoc Declaration Console

<terminated> Account2 [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (22-Jun-2021, 11:54:18 am - 11:54:22 am)

Account 123456678 has initial balance of Rs.-500.00

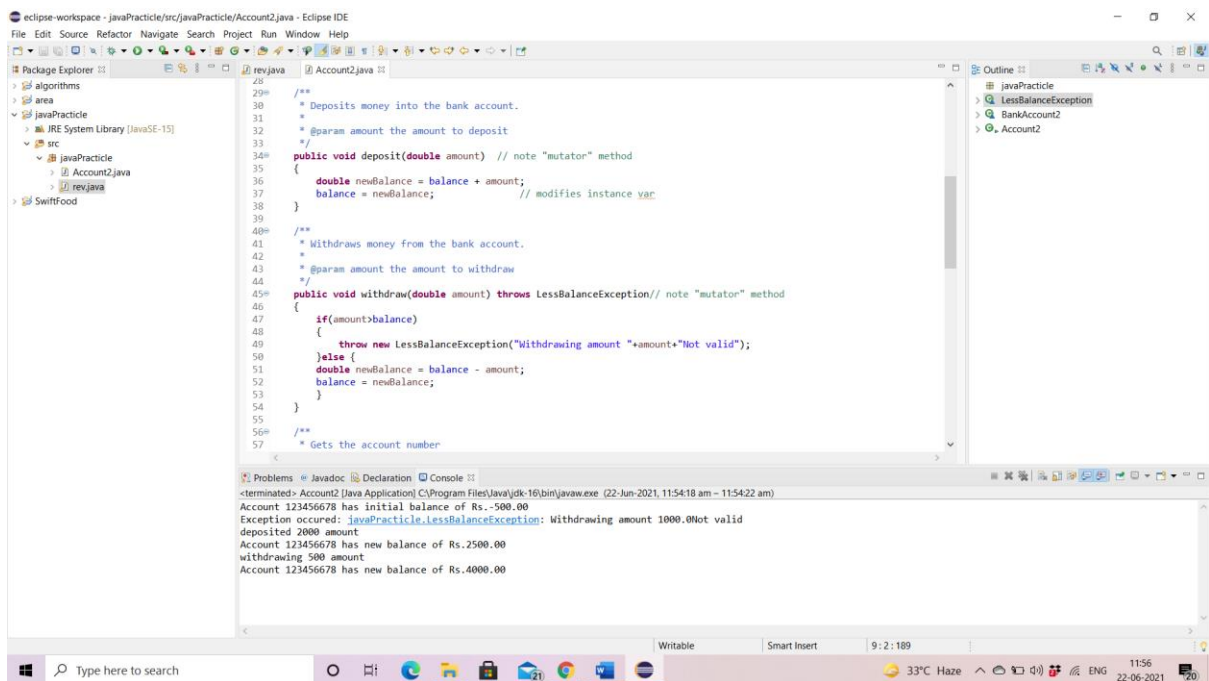
Exception occurred: javaPractice.LessBalanceException: Withdrawing amount 1000.0Not valid

deposited 2000 amount

Account 123456678 has new balance of Rs.2500.00

withdrawing 500 amount

Account 123456678 has new balance of Rs.4000.00



```
29 /**
30  * Deposits money into the bank account.
31  *
32  * @param amount the amount to deposit
33  */
34 public void deposit(double amount) // note "mutator" method
35 {
36     double newBalance = balance + amount;
37     balance = newBalance; // modifies instance var
38 }
39
40 /**
41  * Withdraws money from the bank account.
42  *
43  * @param amount the amount to withdraw
44  */
45 public void withdraw(double amount) throws LessBalanceException // note "mutator" method
46 {
47     if(amount > balance)
48     {
49         throw new LessBalanceException("Withdrawing amount "+amount+"Not valid");
50     }
51     else {
52         double newBalance = balance - amount;
53         balance = newBalance;
54     }
55 }
56
57 /**
58  * Gets the account number
59  */
60 public String getAccountNum()
61 {
62     return accountNum;
63 }
64 }
```

Problems Javadoc Declaration Console

<terminated> Account2 [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (22-Jun-2021, 11:54:18 am - 11:54:22 am)

Account 123456678 has initial balance of Rs.-500.00

Exception occurred: javaPractice.LessBalanceException: Withdrawing amount 1000.0Not valid

deposited 2000 amount

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withdrawing 500 amount

Account 123456678 has new balance of Rs.4000.00

eclipse-workspace - javaPractice/src/javaPractice/Account2.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- algorithms
- area
- javaPractice
 - JRE System Library [JavaSE-15]
 - src
 - javaPractice
 - Account2.java
 - rev.java
- SwiftFood

Outline

- javaPractice
 - LessBalanceException
 - BankAccount2
 - Account2

```
56 //**
57 * Gets the account number
58 * @return the account number
59 */
60 public String getAccount() // note "accessor" method
61 {
62     return accountNum; // returns value of instance var
63 }
64
65 //**
66 * Gets the current balance
67 * @return the balance
68 */
69 public double getBalance() // note "accessor" method
70 {
71     return balance; // returns value of instance var
72 }
73
74 //***** end of BankAccount class definition *****
75
76 /**
77 * A class to test the BankAccount2 class
78 */
79 public class Account2
80 {
81     public static void main(String[] args) throws LessBalanceException
82     {
83     }
```

Problems Javadoc Declaration Console

<terminated> Account2 [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (22-Jun-2021, 11:54:18 am - 11:54:22 am)

Account 123456678 has initial balance of Rs. -500.00

Exception occurred: javaPractice.LessBalanceException: Withdrawing amount 1000.0Not valid

deposited 2000 amount

Account 123456678 has new balance of Rs.2500.00

withdrawing 500 amount

Account 123456678 has new balance of Rs.4000.00

Type here to search

Writable Smart Insert 9:2:189 33°C Haze 11:56 22-06-2021

eclipse-workspace - javaPractice/src/javaPractice/Account2.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

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Outline

- javaPractice
 - LessBalanceException
 - BankAccount2
 - Account2

```
83
84
85 public static void main(String[] args) throws LessBalanceException
86 {
87     // create two BankAccount objects
88     BankAccount2 first = new BankAccount2("123456678", 500);
89
90     // print initial balances
91     System.out.printf("Account %s has initial balance of Rs.-%.2f\n",
92         first.getAccount(), first.getBalance());
93
94
95     // print new balances
96     try{
97         first.withdraw(1000);
98     }catch(Exception e){System.out.println("Exception occurred: "+e);}
99     System.out.println("deposited 2000 amount");
100     first.deposit(2000);
101     System.out.printf("Account %s has new balance of Rs.-%.2f\n",
102         first.getAccount(), first.getBalance());
103     System.out.println("withdrawing 500 amount");
104     first.deposit(2000);
105     first.withdraw(500);
106     System.out.printf("Account %s has new balance of Rs.-%.2f\n",
107         first.getAccount(), first.getBalance());
108
109 }
110
111 }
112 }
```

Problems Javadoc Declaration Console

<terminated> Account2 [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (22-Jun-2021, 11:54:18 am - 11:54:22 am)

Account 123456678 has initial balance of Rs. -500.00

Exception occurred: javaPractice.LessBalanceException: Withdrawing amount 1000.0Not valid

deposited 2000 amount

Account 123456678 has new balance of Rs.2500.00

withdrawing 500 amount

Account 123456678 has new balance of Rs.4000.00

Type here to search

Writable Smart Insert 9:2:189 33°C Haze 11:56 22-06-2021