```
Q.1:
package MyPack;
import java.util.Scanner;
public class rev {
                                 public static void main(String[] args) {
                                                                   Scanner <u>sc</u>= new Scanner(System.in);
                                                                   System.out.println("Enter the string");
                                                                   String str=sc.nextLine();
                                                                   System.out.println("reverse of string");
                                                                   String str2=str.substring(0,1);
                                                                   str2=str2.toUpperCase();
                                                                   System.out.print(str2);
                                                                   for(int i=str.length()-2; i>0;i--)
                                                                   {
                                                                                                      System.out.print(str.charAt(i));
                                                                   }
                                                                   String str3=str.substring(str.length()-1,str.length());
                                                                   str3=str3.toUpperCase();
                                                                  System.out.print(str3);
                                 }
}
                                 Output:
                                  eclipse-workspace - MyProject/src/MyPack/rev.java - Eclipse IDE
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                                    # Package Explorer II Package II P
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> MyProject

> M JRE System Library [JavaSE-15]
                                                                                                                                                                                                                                         public static void main(String[] args) {
    Scanner scenew Scanner(System.in);
    System.out.println("Enter the string");
    String struct.net(ine());
    System.out.println("everyer of string");
    System.out.println("everyer of string");
    Str2=str2.toUpperCase();
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ✓ P→ rev

P * main(String[]): void
                                          ∨ 🥬 src
∨ 👭 algo
                                               # algo
# Di Kmpjava
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# Di Kmpjava
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# Di Account2 java
# Di Account2 java
# Di Artemate, chaja
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# Di Solutionjava
# Di Stringtest, java
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                                                                                                                                                                                                                                                         System.out.print(str2);
for(int i=str.length()-2; i>0;i--)
                                                                                                                                                                                                                                                         String str3=str.substring(str.length()-1,str.length());
str3=str3.toUpperCase();
                                                                                                                                                                                                                                                         System.out.print(str3);
                                                © Problems © Javadoc № Declaration © Console ⋈ 
-terminated>rev [Java Application] C.Program Files/Java]/dk-16/bin/javaw.eve (22-Jun-2021, 11:57:19 am – 11:57:24 am)
Enter the string
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Q.2:
package MyPack;
class LessBalanceException extends Exception
    LessBalanceException(String s){
        super(s);
        }
class BankAccount2
   private String accountNum; // the account number
   private double balance; // the amount on deposit
   * Constructs a bank account with an account number and initial balance
    * # @param acctNum the account number
    * mparam initialBalance the initial balance
   public BankAccount2(String acctNum, double initialBalance)
      accountNum = acctNum;
      balance = initialBalance;
   }
    * Deposits money into the bank account.
    * @param amount the amount to deposit
   public void deposit(double amount) // note "mutator" method
      double newBalance = balance + amount;
      balance = newBalance;
                                      // modifies instance var
   }
    * Withdraws money from the bank account.
    * @param amount the amount to withdraw
   "mutator" method
   if(amount>balance)
```

```
throw new LessBalanceException("Withdrawing amount "+amount+" is Not
valid");
   }else {
       double newBalance = balance - amount;
       balance = newBalance;
   }
   }
   /**
    * Gets the account number
    * @return the account number
   public String getAccount() // note "accessor" method
       return accountNum; // returns value of instance var
   }
    * Gets the current balance
    * @return the balance
   public double getBalance() // note "accessor" method
       return balance;  // returns value of instance var
   }
//***************** end of BankAccount class definition ***************
* A class to test the BankAccount2 class
public class Account2
{
   public static void main(String[] args) throws LessBalanceException
       // create two BankAccount objects
       BankAccount2 first = new BankAccount2("123456678", 500);
       // print initial balances
       System.out.printf("Account %s has initial balance of Rs.-%.2f%n",
              first.getAccount(), first.getBalance());
       try{
           first.withdraw(1000);
          }catch(Exception m){System.out.println("Exception occured: "+m);}
       System.out.println("deposited 2000 amount");
       first.deposit(2000);
```

Output/:

