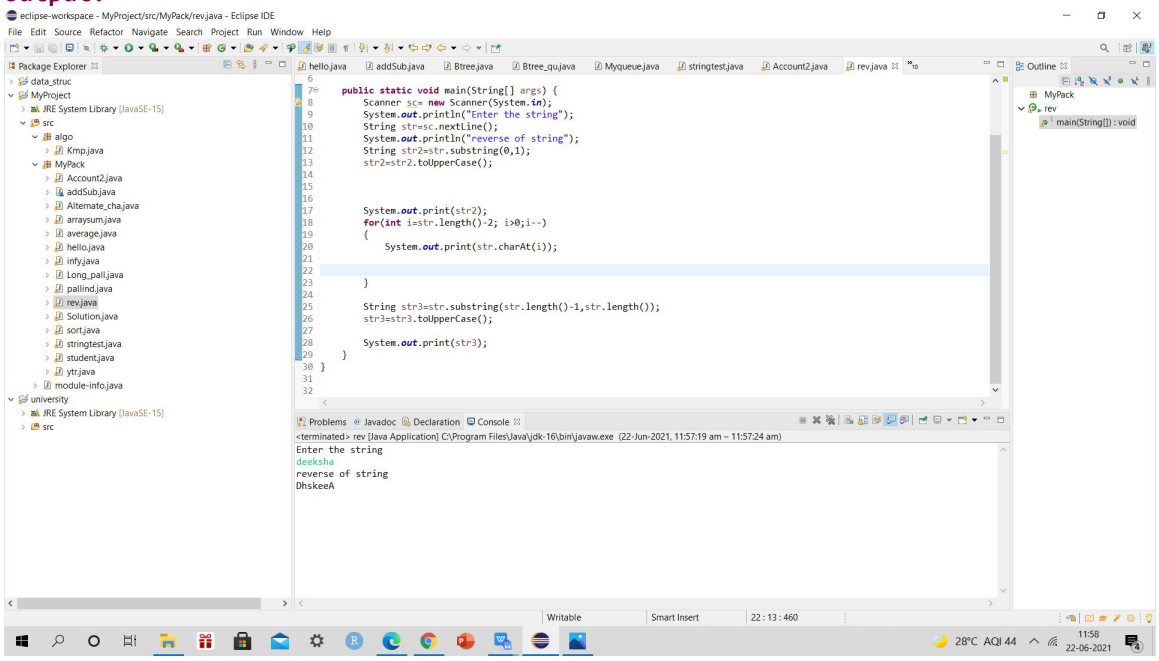
Q.1:

```
package MyPack;

import java.util.Scanner;

public class rev {

    public static void main(String[] args) {
        Scanner sc= 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:



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
     * @param 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
     */
    public void withdraw(double amount)    throws LessBalanceException// note
"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);
```

```
        System.out.printf("Account %s has new balance of Rs.%.2f%n",
                first.getAccount(), first.getBalance());
        System.out.println("withdrawing 500 amount");
        first.withdraw(500);
        System.out.printf("Account %s has new balance of Rs.%.2f%n",
                first.getAccount(), first.getBalance());



    }
}
```

Output/: