Nikhil singh

Cesar cipher

```java
import java.util.Scanner;

public class New
{
    public static final String Alphabet="abcdefghijklmnopqrstuvwxyz";
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        String a="";
        System.out.println("Enter a sample message:");
        a=sc.nextLine();
        System.out.println("The encrypted form:"+encrypt(a,3));
        System.out.println("The decrypted form:"+decrypt(encrypt(a,3),3));
    }


    public static String encrypt(String msg,int shift){
        String cipher1="";
        int ascii=0;


        for(int i=0;i<msg.length();i++){
            char ch=msg.charAt(i);
            if (Character.isWhitespace(ch)){
                cipher1+=' ';
                continue;
            }
            int pos=Alphabet.indexOf (msg.charAt(i));
```

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```java
        int cc= (pos+shift)%26 ;

        char replace=Alphabet.charAt(cc);

        cipher1+=replace;

      }

    return cipher1;

  }

  public static String decrypt(String msg,int shift){

    String cipher1="";

     int ascii=0;


     for(int i=0;i<msg.length();i++){

        char ch=msg.charAt(i);

        if (Character.isWhitespace(ch)){

          cipher1+=' ';

          continue;

        }

        int pos=Alphabet.indexOf (msg.charAt(i));

        int cc= (pos-shift)%26 ;

        char replace=Alphabet.charAt(cc);

        cipher1+=replace;

      }


    return cipher1;

  }

}
```

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Output:

PS D:\java> java New

Enter a sample message:

hello i am nikhil

The encrypted form:khoor l dp qlnklo

The decrypted form:hello i am Nikhil

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