**Cesar cipher**

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));

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;

}

}

**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