**Implement encryption and decryption using Ceaser Cipher.**

**Code:**

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.util.Scanner;

public class CeaserCipher

{

static Scanner sc=new Scanner(System.in);

static BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

public static void main(String[] args) throws IOException

{

System.out.print("Enter any String: ");

String str = br.readLine();

System.out.print("\nEnter the Key: ");

int key = sc.nextInt();

String encrypted = encrypt(str, key);

System.out.println("\nEncrypted String is: " +encrypted);

String decrypted = decrypt(encrypted, key);

System.out.println("\nDecrypted String is: "+decrypted); System.out.println("\n");

}

static String encrypt(String str, int key)

{

String encrypted = "";

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

{

int c = str.charAt(i);

if(Character.isUpperCase(c))

{

c = c + (key % 26);

if (c > 'Z')

c = c - 26;

}

if(Character.isLowerCase(c))

{

c = c + (key % 26);

if (c > 'z')

c = c - 26;

}

encrypted += (char) c;

}

return encrypted;

}

static String decrypt(String str, int key)

{

String decrypted = "";

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

{

int c = str.charAt(i);

if(Character.isUpperCase(c))

{

c = c - (key % 26);

if (c < 'A')

c = c + 26;

}

if(Character.isLowerCase(c))

{

c = c - (key % 26);

if (c < 'a')

c = c + 26;

}

decrypted += (char) c;

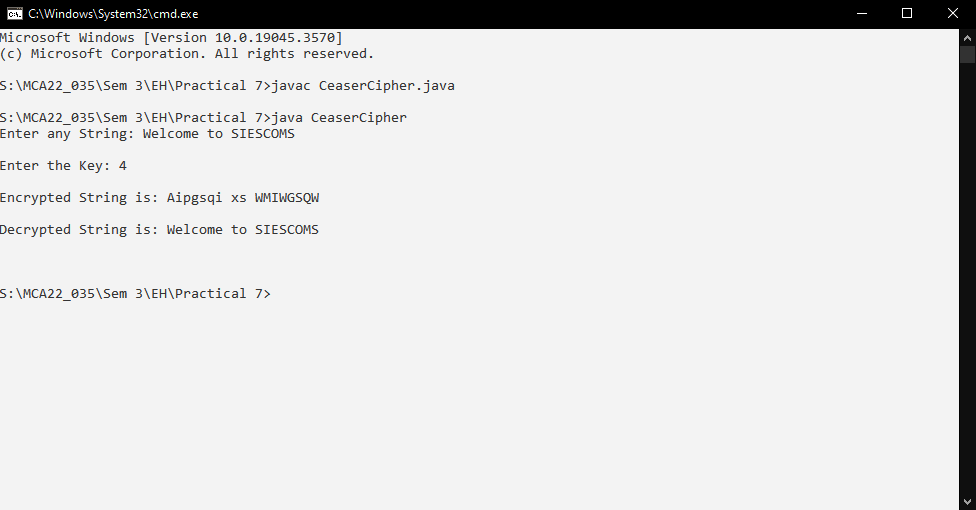
}

return decrypted;

}

}

**Output:**

****