using System;

namespace RunLengthEncoding;

public class Program

{

public static void Main()

{

Console.WriteLine("Enter the string to be encoded: ");

string inputString = Console.ReadLine();

string outputString = EncodeString(inputString);

Console.WriteLine("Encoded string: {0}", outputString);

}

public static string EncodeString(string inputString)

{

string outputString = "";

int count = 1;

char prevCharacter = inputString[0];

for (int i = 1; i < inputString.Length; i++)

{

if (inputString[i] == prevCharacter)

{

count++;

}

else

{

outputString = outputString + count + prevCharacter;

prevCharacter = inputString[i];

count = 1;

}

}

outputString = outputString + count + prevCharacter;

return outputString;

}

}