Документирование в формате XML

Задание №1. Выполнить XML документирование кода.

Листинг программы:

using System;

namespace StringMethods

{

/// <summary>

/// This class contains methods for working with strings

/// </summary>

public class StringHelper

{

/// <summary>

/// This method returns the uppercase version of a string

/// </summary>

/// <param name="str">The string to convert to uppercase</param>

/// <returns>The uppercase version of the string</returns>

public string ToUpperCase(string str)

{

return str.ToUpper();

}

/// <summary>

/// This method returns the lowercase version of a string

/// </summary>

/// <param name="str">The string to convert to lowercase</param>

/// <returns>The lowercase version of the string</returns>

public string ToLowerCase(string str)

{

return str.ToLower();

}

/// <summary>

/// This delegate is used to call the string methods

/// </summary>

/// <param name="str">The string to perform the operation on</param>

/// <returns>The result of the operation</returns>

public delegate string StringOperation(string str);

static void Main(string[] args)

{

// Create an instance of the StringHelper class

StringHelper helper = new StringHelper();

// Create an instance of the StringOperation delegate

StringOperation operation = null;

// Call the ToUpperCase method using the delegate

operation = helper.ToUpperCase;

Console.WriteLine("Uppercase of string 'Hello World': " + operation("Hello World"));

// Call the ToLowerCase method using the delegate

operation = helper.ToLowerCase;

Console.WriteLine("Lowercase of string 'Hello World': " + operation("Hello World"));

}

}

}

Анализ программы:



Рисунок 1.1 - Анализ программы

Источник: собственная разработка