

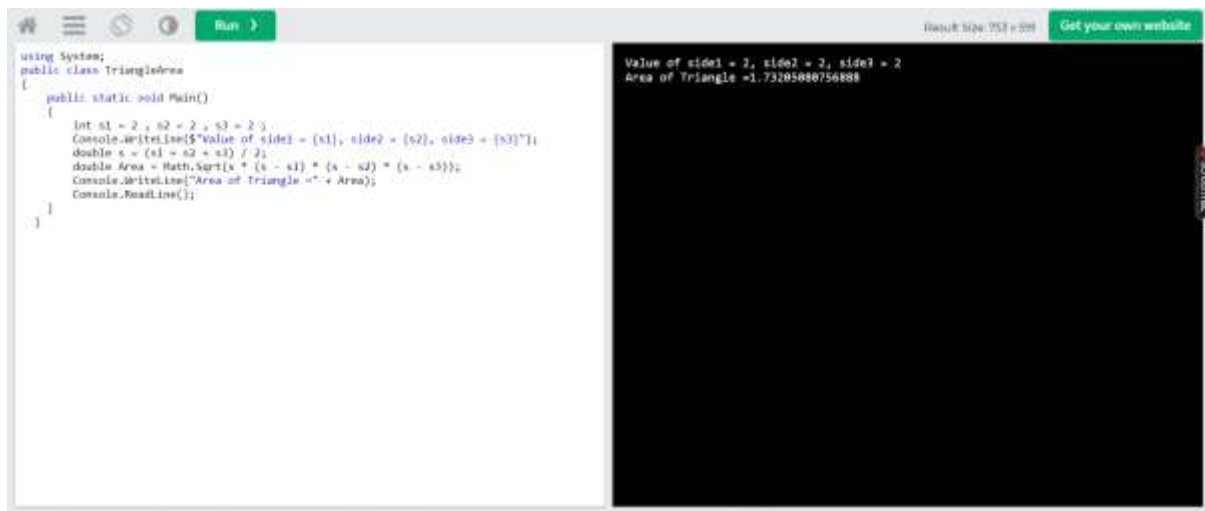
Question 3 C#

Implement function `triangleArea(a,b,c)` that takes as input the lengths of the 3 sides of a triangle and returns the area of the triangle. By Heron's formula, the area of a triangle with side lengths a , b , and c is $s(s-a)(s-b)(s-c)$, where $s = (a + b + c)/2$. `>>> triangleArea(2,2,2) 1.7320508075688772`

➔ OUTPUT

As the C#(.Net) kernel in jupyter Notebook is not Accepting `ReadLine()` Command, Hence I have used Online C# Compiler i.e. whave used Online C# Compiler (i.e. w3schools) to implement this question and get the desired output.

Kindly Consider the mode of Compiling the Code.



The screenshot shows an online C# compiler interface. On the left, the code editor contains the following C# code:

```
using System;
public class TriangleArea
{
    public static void Main()
    {
        int s1 = 2, s2 = 2, s3 = 2;
        Console.WriteLine($"Value of side1 = {s1}, side2 = {s2}, side3 = {s3}");
        double s = (s1 + s2 + s3) / 2;
        double Area = Math.Sqrt(s * (s - s1) * (s - s2) * (s - s3));
        Console.WriteLine("Area of Triangle = " + Area);
        Console.ReadLine();
    }
}
```

On the right, the output console displays the following text:

```
Value of side1 = 2, side2 = 2, side3 = 2
Area of Triangle =1.73205080756888
```

The compiler interface also includes a 'Run' button at the top left and a 'Get your own website' link at the top right.