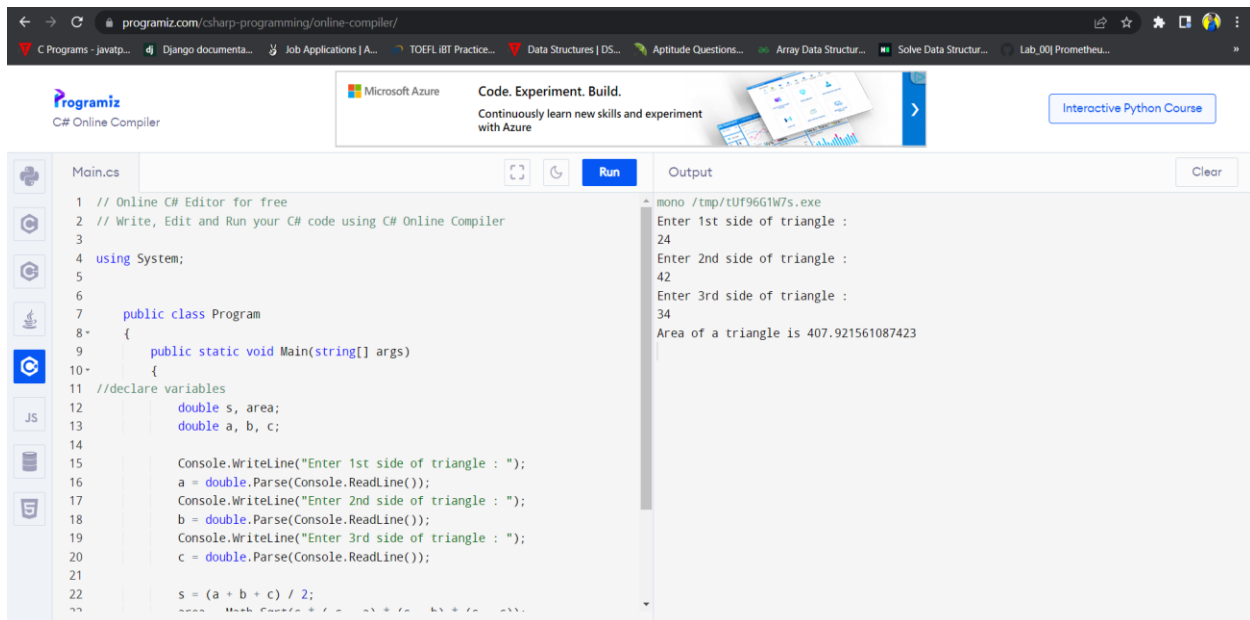


## Question 3 – Data Programming Problem set 1

### OUTPUT:



The screenshot displays the Programiz C# Online Compiler interface. The code editor on the left contains a C# program that prompts the user to enter the three sides of a triangle, calculates the area using Heron's formula, and prints the result. The output window on the right shows the execution results, including the input values and the calculated area.

```
1 // Online C# Editor for free
2 // Write, Edit and Run your C# code using C# Online Compiler
3
4 using System;
5
6
7 public class Program
8 {
9     public static void Main(string[] args)
10    {
11        //declare variables
12        double s, area;
13        double a, b, c;
14
15        Console.WriteLine("Enter 1st side of triangle : ");
16        a = double.Parse(Console.ReadLine());
17        Console.WriteLine("Enter 2nd side of triangle : ");
18        b = double.Parse(Console.ReadLine());
19        Console.WriteLine("Enter 3rd side of triangle : ");
20        c = double.Parse(Console.ReadLine());
21
22        s = (a + b + c) / 2;
23        area = Math.Sqrt(s * (s - a) * (s - b) * (s - c));
```

Output:

```
mono /tmp/tUf96G1W7s.exe
Enter 1st side of triangle :
24
Enter 2nd side of triangle :
42
Enter 3rd side of triangle :
34
Area of a triangle is 407.921561087423
```