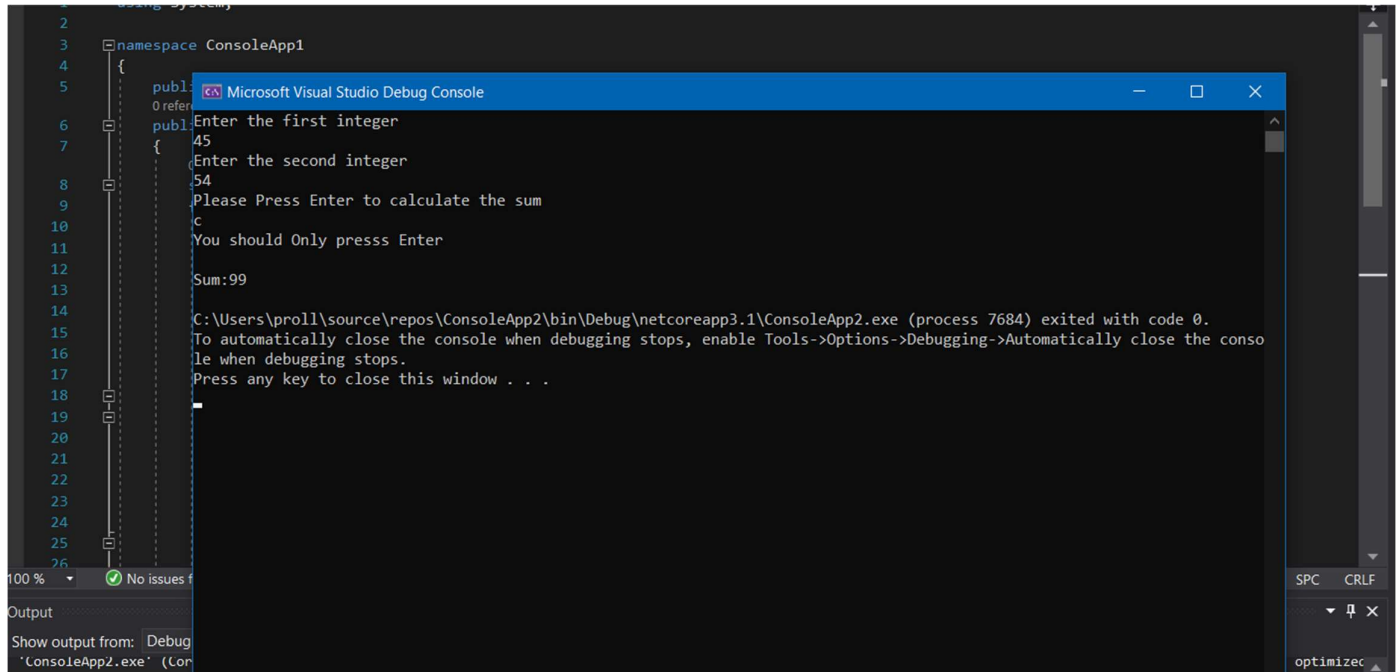


# .NET Delegates and Event Handlers Assignment

By Praveen Kumar

## Question 1)



The screenshot shows a Visual Studio IDE with a C# console application named ConsoleApp1. The code in the background is as follows:

```
1 namespace ConsoleApp1
2 {
3     public static void Main()
4     {
5         Console.WriteLine("Enter the first integer");
6         int a = int.Parse(Console.ReadLine());
7         Console.WriteLine("Enter the second integer");
8         int b = int.Parse(Console.ReadLine());
9         Console.WriteLine("Please Press Enter to calculate the sum");
10        Console.ReadLine();
11        int sum = a + b;
12        Console.WriteLine("Sum: {0}", sum);
13    }
14 }
```

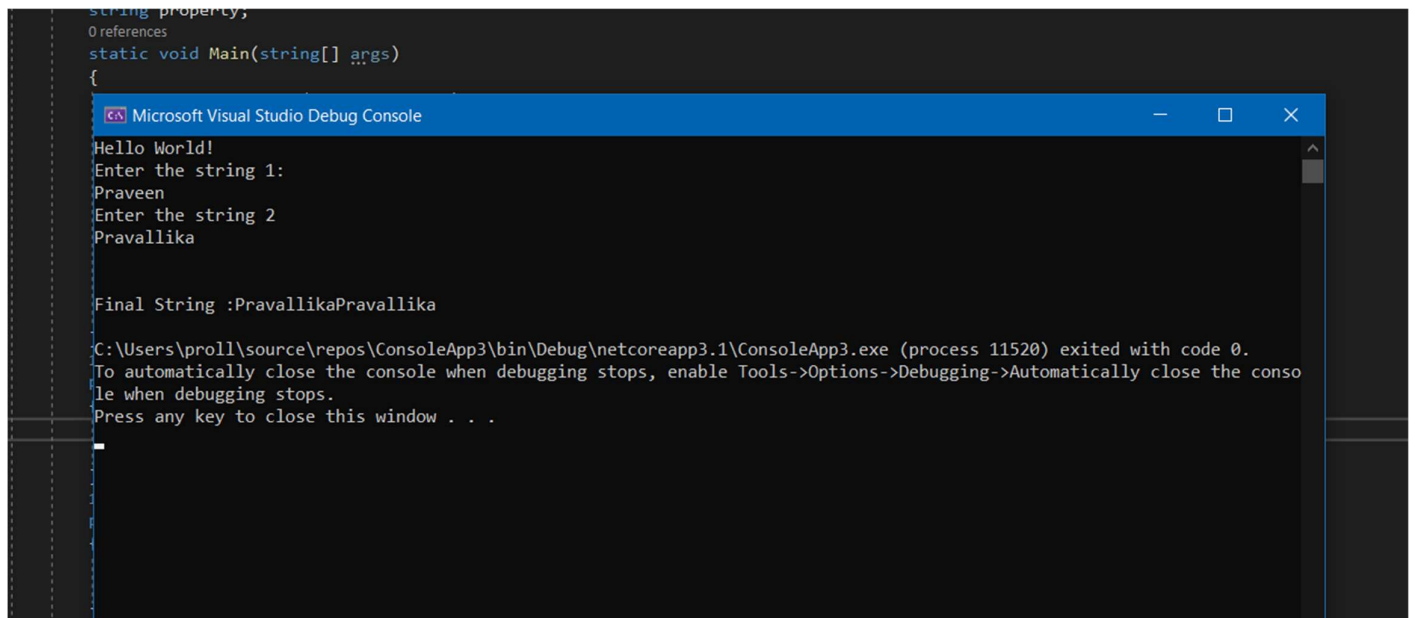
The Microsoft Visual Studio Debug Console window is open, showing the following output:

```
Enter the first integer
45
Enter the second integer
54
Please Press Enter to calculate the sum
c
You should Only presss Enter

Sum:99

C:\Users\pro11\source\repos\ConsoleApp2\bin\Debug\netcoreapp3.1\ConsoleApp2.exe (process 7684) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

## Question 2)



The screenshot shows a Visual Studio IDE with a C# console application named ConsoleApp3. The code in the background is as follows:

```
1 string property;
2 // 0 references
3 static void Main(string[] args)
4 {
5     Console.WriteLine("Hello World!");
6     Console.WriteLine("Enter the string 1:");
7     string s1 = Console.ReadLine();
8     Console.WriteLine("Enter the string 2:");
9     string s2 = Console.ReadLine();
10    Console.WriteLine("Final String :{0}{1}", s1, s2);
11 }
```

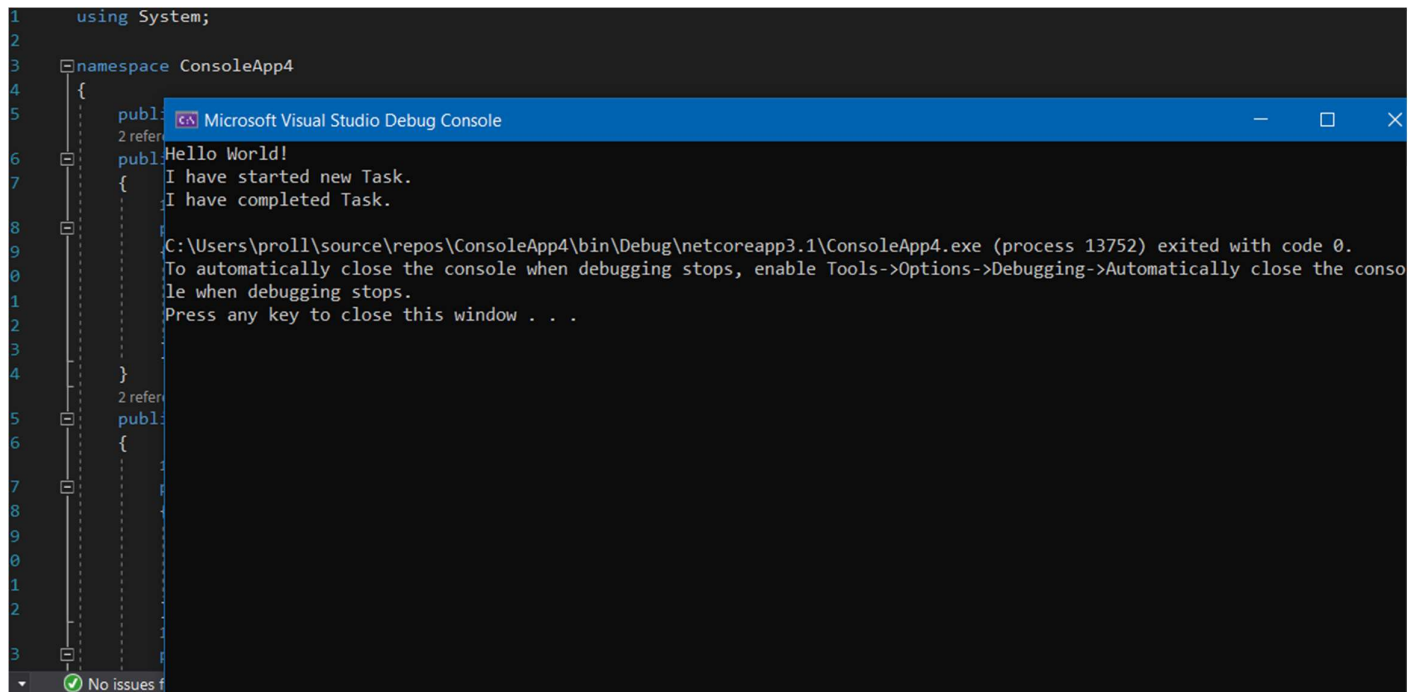
The Microsoft Visual Studio Debug Console window is open, showing the following output:

```
Hello World!
Enter the string 1:
Praveen
Enter the string 2:
Pravallika

Final String :PravallikaPravallika

C:\Users\pro11\source\repos\ConsoleApp3\bin\Debug\netcoreapp3.1\ConsoleApp3.exe (process 11520) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

### Question 3)



The image shows a Visual Studio IDE with a C# console application named 'ConsoleApp4'. The code in the background is as follows:

```
1 using System;
2
3 namespace ConsoleApp4
4 {
5     public static void Main()
6     {
7         Console.WriteLine("Hello World!");
8         Task.Run(() => {
9             Console.WriteLine("I have started new Task.");
10            Console.WriteLine("I have completed Task.");
11        });
12     }
13 }
```

The 'Microsoft Visual Studio Debug Console' window is open, displaying the following output:

```
C:\Users\pro11\source\repos\ConsoleApp4\bin\Debug\netcoreapp3.1\ConsoleApp4.exe (process 13752) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

The status bar at the bottom indicates 'No issues found'.