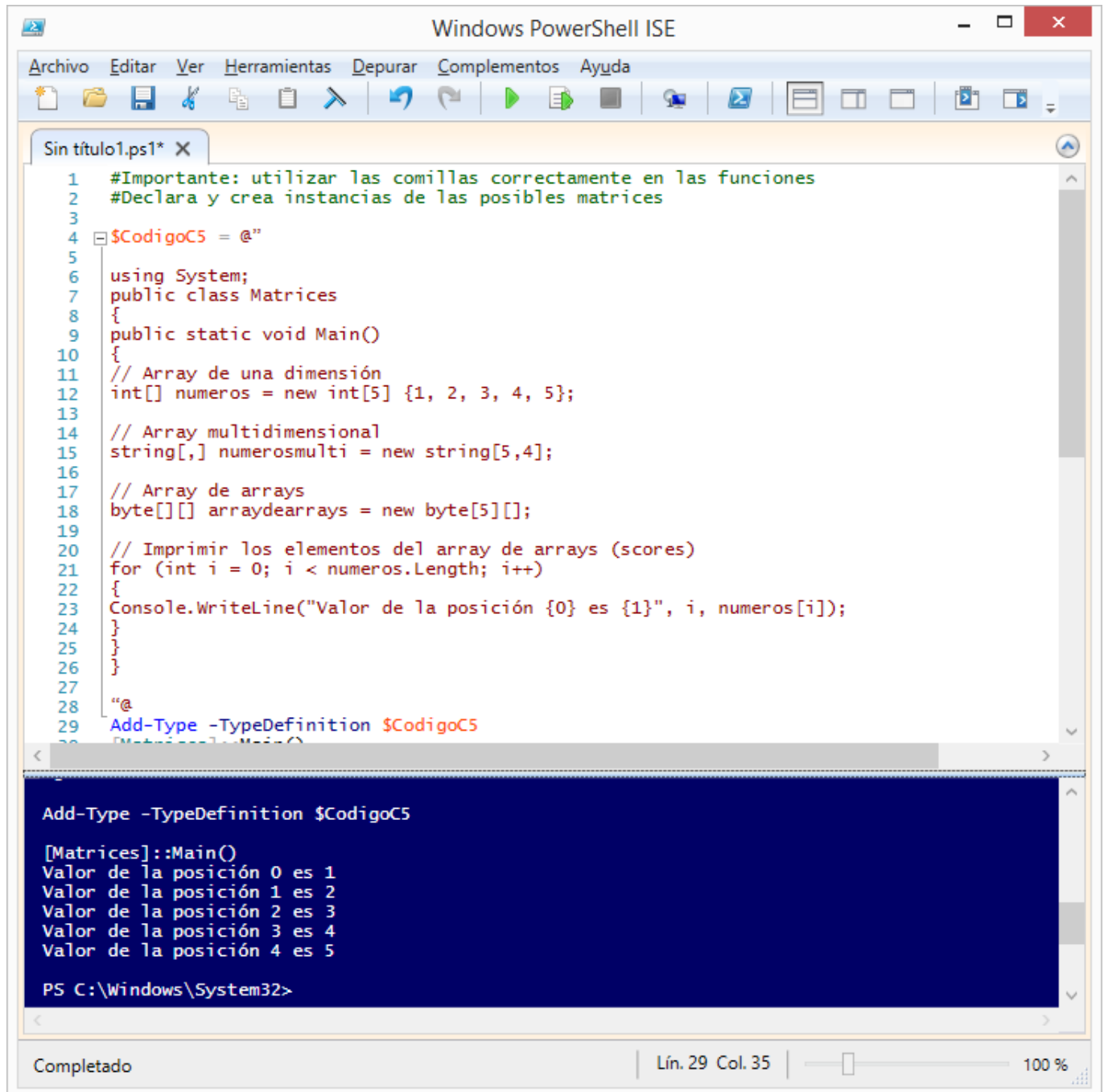


Tutorial C# con PowerShell: utilización de matrices

[crayon-6a9d575fe4fe6128881039/]



The screenshot displays the Windows PowerShell ISE interface. The main editor window, titled 'Sin título1.ps1* X', contains C# code for a class named 'Matrices'. The code includes comments in Spanish, a 'using System;' statement, and the definition of the 'Matrices' class with a 'Main()' method. Inside 'Main()', a 1D array 'numeros' is initialized with values 1 through 5, and a 2D array 'arraydearrays' is declared. The 'Main()' method iterates through the 'numeros' array and prints each value. The code is wrapped in a PowerShell script block using '\$CodigoC5 = @"' and 'Add-Type -TypeDefinition \$CodigoC5'.

```
1 #Importante: utilizar las comillas correctamente en las funciones
2 #Declara y crea instancias de las posibles matrices
3
4 $CodigoC5 = @"
5
6 using System;
7 public class Matrices
8 {
9     public static void Main()
10    {
11        // Array de una dimensión
12        int[] numeros = new int[5] {1, 2, 3, 4, 5};
13
14        // Array multidimensional
15        string[,] numerosmulti = new string[5,4];
16
17        // Array de arrays
18        byte[][] arraydearrays = new byte[5][];
19
20        // Imprimir los elementos del array de arrays (scores)
21        for (int i = 0; i < numeros.Length; i++)
22        {
23            Console.WriteLine("Valor de la posición {0} es {1}", i, numeros[i]);
24        }
25    }
26 }
27
28 @"
29 Add-Type -TypeDefinition $CodigoC5
```

The bottom console window shows the execution output of the PowerShell script:

```
Add-Type -TypeDefinition $CodigoC5

[Matrices]::Main()
Valor de la posición 0 es 1
Valor de la posición 1 es 2
Valor de la posición 2 es 3
Valor de la posición 3 es 4
Valor de la posición 4 es 5

PS C:\Windows\System32>
```

The status bar at the bottom indicates 'Completado' (Completed) and shows the cursor is at line 29, column 35, with a zoom level of 100%.