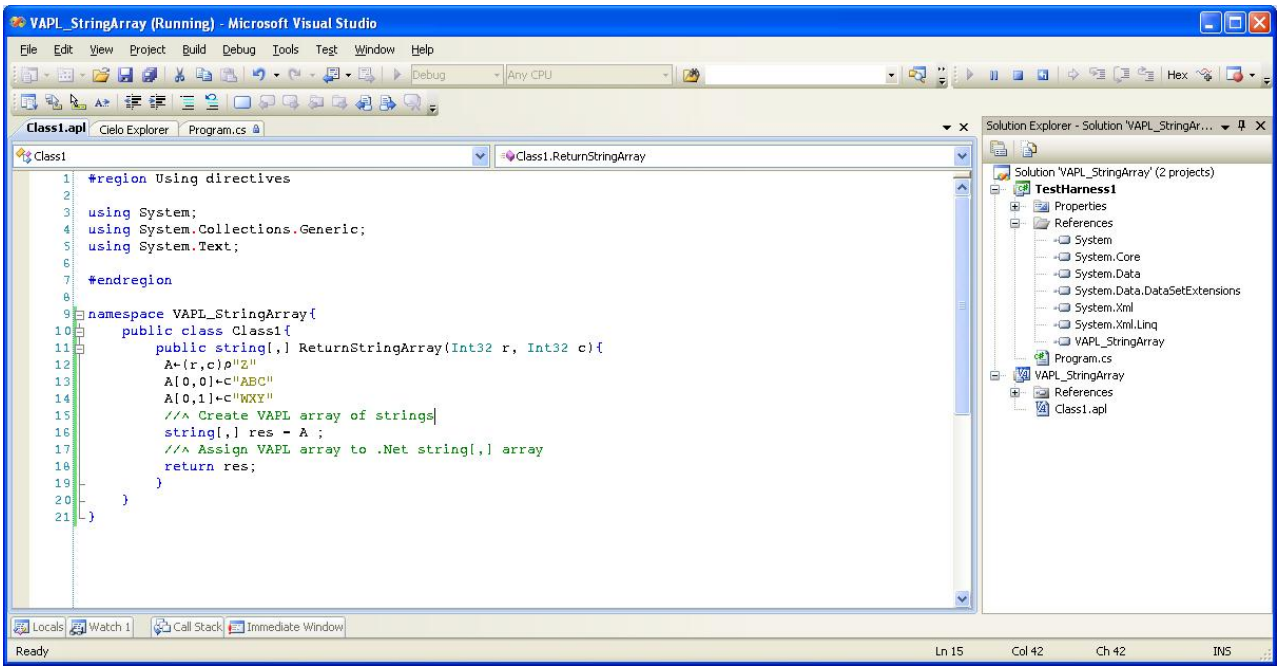
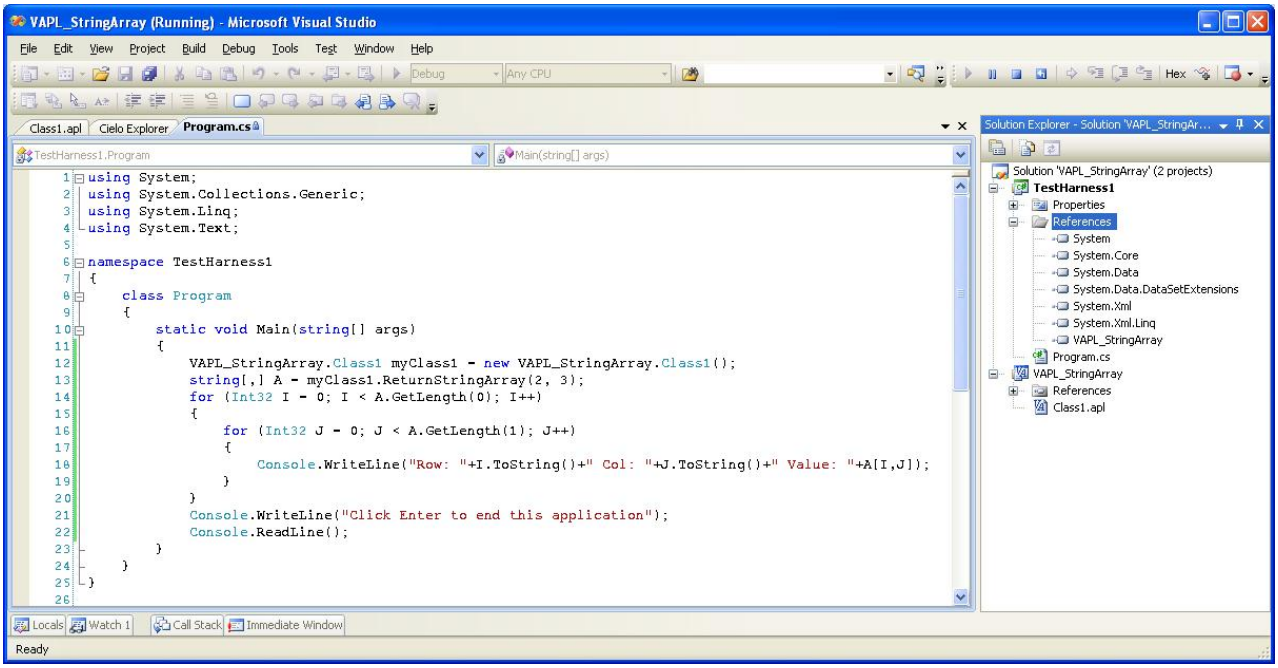
Implicit Cast of a VisualAPL Array of String Vectors to a .Net string[,] Array

In this sample solution a VisualAPL classs library containing the public Class1 class containing the public ReturnStringArray(,)method creates a VisualAPL cvar (Cielo dynamically-typed) APL array of strings and then returns this array as a .Net string[,] array datatype using an implicit cast from cvar to string[,].

Below is the VisualAPL class library source code. Notice that no explicit cast from cvar to string[,] is necessary on line [16] of the ReturnStringArray(,) method.



Below is the C# console project ('test harness') which references the VisualAPL class library namespace ('VAPL_StringArray'), creates an instance of the 'VAPL_StringArray.Class1' class called 'myClass1' and executes the 'myClass1.ReturnStringArray(,) method to obtain a result of string[,] datatype. The remainder of the console project iterates through the elements of the string[,] array and displays them to the console window.



When this project is run, the output is illustrated below: