Using a DataSet in VisualAPL

This example provides the source code for a simple VisualAPL Console Project built in Visual Studio 2008 which illustrates the use of a DataSet.

A "using System.Data;" directive has been included so that DataSet, DataTable, DataRow and DataColumn will be defined.

A single example table (#0) is defined in the DataSet and two columns ("ID" and "Name") are defined in the table.

The first loop sets the five rows of table #0 in the DataSet.

The second loop illustrates the use of the "foreach{...}" iterator to display the values of the rows of table #0 of the DataSet.

The third loop illustrates the use of the "for{...}" iterator to display the same values. Note that the traditional APL ":FOR ... :ENDFOR" control structure could have been used in place of the .Net-style "for{...}" loop control structure. The third loop also illustrates the assignment of APL variables with values in the rows of table #0 of the DataSet.

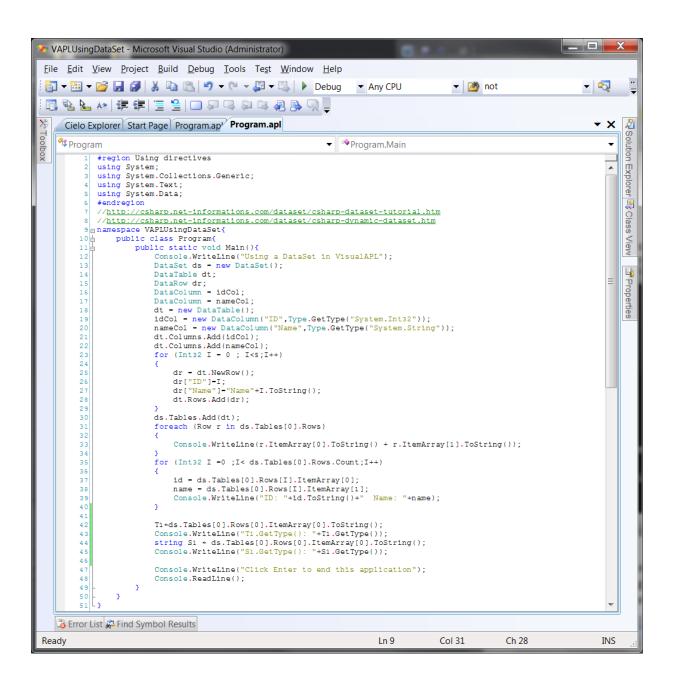
The assignment of T1 and S1 illustrate the use of dynamically- and strongly-typed variables respectively.

The source code for this simple example was obtained from:

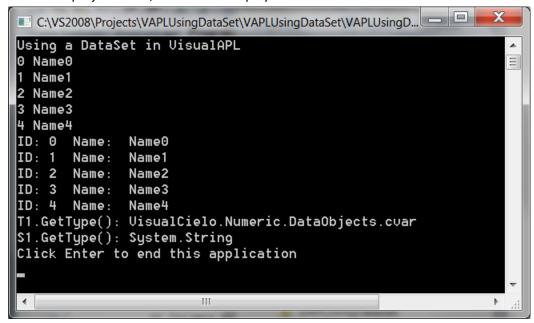
http://csharp.net-informations.com/dataset/csharp-datasettutorial.htm

http://csharp.net-informations.com/dataset/csharp-dynamicdataset.htm

There is a wealth of documentation on .Net DataSet usage on the Internet. Try searching for "C# DataSet" for more links of interest.



When this project is run, the console display is as follows:



Notice that the T1 variable because it was not strongly-typed is instantiated as a dynamically-typed Cielo variable even though the .ToString() operator is used to establish its value. However the S1 variable with the same value is instantiated as a strongly-typed string variable.