Data-On-Demand ListBox Example Guide

The Data-On-Demand ListBox comes with several examples.

Array Example.rb

The Array Example.rb project demonstrates the differences between setting up and using the Data-On-Demand ListBox vs. the standard REALbasic ListBox with arrays as a backend. The program starts with 5,000 rows, but you can use the **Make New DB** button to test different sizes. A word of warning: If you create more than 10,000 rows and attempt to sort the standard ListBox, be prepared to wait.

This project also shows how to implement editing of cells, alternate row coloring, and double-click events.

REALSQLDB Example.rb

The REALSQLDB Example.rb project shows how the Data-On-Demand ListBox can be used with a REALSQLDatabase, included with REALbasic 2005 and later.

The project comes with a custom class called "My_RecordSet" that you can use in your own projects. My_RecordSet implements random access to a RecordSet.

Start by importing records from the "Import Zip Code Data.txt" file. For more records, import the same file repeatedly. The database files will be created automatically in the same folder as the project.

This main window will show the data and the time it takes to search, sort and load the data. You can alternate between letting the Data-On-Demand ListBox sort the data and using a SQL ORDER BY. Note that, if the data is sorted, the load time will reflect the time to sort the data.

Valentina DB Example.rb

The Valentina DB Example.rb project shows how the Data-On-Demand ListBox can be used with a Valentina v.4.0 or higher database. Valentina is a high-speed database made by Paradigma Software (*http://www.paradigmasoft.com*). The project requires Valentina v.4.0 or later, sold separately. Valentina v.4.5 or later is recommended.

The project comes with a custom class called "My_VIterator" that you can use in your own projects. My_VIterator adds some features to the standard Valentina VIterator class to simplify its use.

Start by importing records from the "Import Zip Code Data.txt" file. For more records, import the same file repeatedly. The database files will be created automatically in the same folder as the project.

This main window will show the data and the time it takes to search, sort and load the data. You can alternate between letting the Data-On-Demand ListBox sort the data and using a Valentina's native sort. Note that, if the data is sorted, the load time will reflect the time to sort the data.

MacTechnologies Consulting and Kem Tekinay, the author of the Data-On-Demand ListBox, are in no way affiliated with Paradigma Software.

Stress Test

The text file that comes with the Data-On-Demand ListBox contains every zip code as of the year 2000, a little more than 42,000 records. While this is generally enough to demonstrate the speed and flexibility of the Data-On-Demand ListBox, you may require a larger test. For this purpose, I have made available an import file that contains over 5 million records. This is essentially the original zip code file repeated many times, but the City names have been differentiated somewhat to allow you to perform searches for smaller sets. The file is 15 MB compressed and is available here:

http://www.mactechnologies.com/public_files/DOD/BIG_Import_Zip_Code_Data.zip

This file decompresses to almost 400 MB.