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## Information

Information about the Lotus Script Examples

### **About the Sample Scripts contained in this Workbook**

The Scripts found within this workbook are designed to provide useful fu

We hope that you will benefit from these Scripts and will use them to dev

### **Running the Sample Scripts**

You can run each sample script in any of three ways:

Select a command from the Scripts menu. When 1-2-3 opens this workb

Click an icon from the Sample Scripts set of SmartIcons (SCRIPTS.SMI)

Choose Edit - Scripts & Macros - Run and select Scripts.123 from the "F

Note that all the sample scripts are designed to act on other workbooks.

### **Creating an add-in from the sample scripts**

You can create an add-in file using the scripts in this workbook. For infor

### **Coding conventions**

These sample scripts were written by Peter Lindlau and Christian Jackel

The elements of these scripts - such as subs, functions, and variables -

You can select a range from within many of the sample-script dialog box

## Information

functionality while at the same time, offer examples of how LotusScript can help to automate your work  
develop your own scripts, as simple or complicated as they may be.

book, the Scripts menu is automatically added to the end of the 1-2-3 main menu.

). For information on displaying this set of SmartIcons, search on "Sample scripts" in the LotusScript Help  
"from" box. Then select the name of the script you want to run.

When you run these scripts, this workbook (Scripts.123) should be active, but should not be the current

information about creating add-in files, search on "Add-ins, creating" in the 1-2-3 Help Index.

l. Neither the authors nor Lotus recommends a particular coding style or convention. These scripts should  
do not follow any specific naming conventions, but were named with readability-of-code in mind. When  
uses by clicking a range selector. To implement the range-selector control, the authors created a user-c

and increase the product's customizability.

help Index.

ent workbook.

ould serve as examples of LotusScript code. As you gain scripting experience, you may find other styl  
rever possible, the authors made every effort to give meaningful names to subs, functions, variables,  
efined class, called RangeEditClass. You can view the definition of this class by looking at the (Defini

## Information

les and conventions that suit you.

constants, and dialog-box controls.

itions) script for the (Globals) object.

## TableOfContents

### Creating a Table of Contents

#### **Description**

Creates a table of contents for the active Workbook. Users choose the l

#### **Viewing the code for this script**

##### **(Globals)**

Contains the sub CreateToc, which launches the TOCDlg dialog box.

##### **TOCDlg dialog box**

Contains all subs and functions that create a table of contents.

##### **GotoBtn button**

Contains a script that sets the Text property of the ExecuteGoto button

##### **ExecuteGoto button**

When clicked, goes to and selects the specified item from the table of c

#### **Table of Contents Settings**

##### Sheet Name Font & Background

Object Name Font / Row height

Execute Goto: "ExecuteGoto"

Goto Object Button: "GotoBtn"

OLE Symbol:"OleBmp"

Chart Symbol:"ChartBmp"

Drawing Symbol:"DrawBmp"

Map Symbol:"MapBmp"

Range Symbol:"RangeBmp"

## TableOfContents

ocation for the table, as well as what items it lists. (Users can list range names, OLE objects, charts, n

.

ontents.

## TableOfContents

maps, and other graphic objects.)The table of contents lists the name of each item, a bitmap that gives



## TableOfContents

; a visual clue for the item type, and a button that ,when clicked, takes the user to the item.

## FileConvert

Converting files to .123 files

### **Description**

Converts files a user selects to 1-2-3 97 (.123) files. The script opens ea

### **Viewing the code for this script**

#### **(Globals)**

Contains the sub BatchFileConvert, which launches FileConvertDlg dia

#### **FileConvertDlg dialog box**

Contains all subs and functions that select and convert the files.

## FileConvert

ch selected file and then saves it with the same name and a .123 extension. This script does not dele

log box.

## FileConvert

te or write over existing files.

## AutoSave

Auto Save

### **Description**

Automatically saves all open workbooks when a specified number of mir

### **Viewing the code for this script**

#### **(Globals)**

Contains the sub AutoSave, which launches AutoSaveDlg dialog box.

#### **AutoSaveDlg dialog box**

Contains all subs and functions that enable or disable automatic file sa

#### **Poll1 event**

The script that actually saves the files is attached to the Poll1 event for workbook.

## AutoSave

minutes elapses. Users can specify a time interval from 1 minute through 1440 minutes (24 hours).

ving.

this

## SmartComplete

Smart Complete

### **Description**

Completes a cell entry for you, based on other cell entries in the column.

### **Viewing the code for this script**

#### **(Globals)**

Contains the sub SmartComplete, which launches SmartCompleteDlg (

#### **SmartCompleteDlg dialog box**

Contains all subs and functions to automatically complete cell entries.

## SmartComplete

. When you start this script, a dialog box appears. Type the first few letters of your entry in the text bo:

dialog box.



## SmartComplete

x. If you press Enter, 1-2-3 completes your entry in the current cell and then moves the cell pointer do

## SmartComplete

own one cell. If you press Tab, 1-2-3 completes your entry in the current cell and then moves the cell p

## SmartComplete

ointer right one cell. The dialog box remains open (until you close it) so you can continue making entr

ies.

## CopyHeightWidth

Copy row height and column width

### **Description**

Automatically copies the row height and column width of a specified cell

### **Viewing the code for this script**

#### **(Globals)**

Contains the sub CopyHeightWidth, which launches the CopyHeightWi dialog box.

#### **CopyHeightWidthDlg dialog box**

Contains all subs and functions that copy a cell's row height and column

## CopyHeightWidth

into other ranges the user selects.

dthDlg

an width.

## LabelsToValues

Convert Labels to Values

### **Description**

Converts numbers entered as labels to their corresponding values in a s

### **Viewing the code for this script**

#### **(Globals)**

Contains the sub LabelsToNumbers, which launches the LToNDlg dialk

#### **LToNDlg dialog box**

Contains all subs and functions to convert labels to their corresponding

## LabelsToValues

pecified range. Only labels that look like values are converted; all other labels in the range remain un

og box.

| values..



## LabelsToValues

changed.

## MoveSheet

Move Sheet

### Description

Moves a sheet to a new location. Note that this script moves only the ac

### Viewing the code for this script

#### (Globals)

Contains the sub MoveSheet, which launches the MoveSheetDlg dialog

#### MoveSheetDlg dialog box

Contains all subs and functions to move a sheet to a new location.

## MoveSheet

Active area of the sheet. Any formatting outside the active area is not preserved in the new sheet.

g box.

## Auditor

Auditor

### Description

Highlights or produces a report of all formulas, or the relationships of val

### Viewing the code for this script

#### (Globals)

Contains the sub RunAuditor, which launches the AuditDlg dialog box.

#### AuditDlg dialog box

Contains all subs and functions to audit a range.

### Details

In the Auditor dialog box, you can select one of the following Audit optio

- \* All formulas finds all cells that contain formulas.
- \* Formula precedents finds all cells that are referred to by a formula.
- \* Cell dependents finds all cells containing a formula that refers to the c
- \* Circular reference finds all cells that are involved in a circular referenc
- \* File links finds all cells that contain a formula that links to other 1-2-3 fi
- \* ERR finds all cells that evaluate to ERR
- \* Versions finds all ranges that contain versions.
- \* OLE links finds all cells that contain a link between the current file and  
Windows applications.
- \* Range names finds all range names.

Additionally, you can choose whether to highlight cells found during the :

- \* Selection highlights the cells found in the audit.
- \* Report at range produces a list of all cells found in the audit, one item

## Auditor

ues and formulas, in the current file; also highlights or produces a report on circular references, file lin

ms:

ells.

e.

iles.

other

audit or produce a report in a specified range.

per cell from top to bottom, of the range you specify in the text box. Specify a range of blank cells.

Auditor

iks, or OLE links.

## SaveOpenView

### Creating a Custom View

#### **Description**

Saves a view and lets you call up the view at any time.

When you save a view, 1-2-3 saves the names of all open workbooks, a

When you open a saved view, 1-2-3 opens all the files listed in the text fi

#### **Viewing the code for this script**

##### **(Globals)**

Contains the sub SaveOpenView, which launches the ViewDocDlg dial

##### **ViewDocDlg dialog box**

Contains all subs and functions to save or restore a view.

## SaveOpenView

long with the size and position of their windows, and stores this information in a text file named WinList. When the application is restarted, it reads the file WinList and restores their windows to their previous size and position.

og box.



## SaveOpenView

st in the default workbook directory.

## DelimTextFile

Create delimited text file

### **Description**

Extracts cell data from a workbook by saving a range as a delimited text  
For more information on delimited text files, search on "delimited text file

### **Viewing the code for this script**

#### **(Globals)**

Contains the sub DelimitedTextFile, which launches the DelilmDlg dialc

#### **DelimDlg dialog box**

Contains all subs and functions to create a delimited text file..

## DelimTextFile

file.  
s" in the 1-2-3 help Index..

og box.

## RangeModify

Modifying contents of a range

### **Description**

Adds, subtracts, multiplies, or divides the value in each cell in a range w

### **Viewing the code for this script**

#### **(Globals)**

Contains the sub ModifyRange, which launches the ModifyRangeDlg d

#### **ModifyRangeDlg dialog box**

Contains all subs and functions to make global changes to a range.

## RangeModify

with a specified value. Users can choose to display the formula's result, or the formula itself.

dialog box.

## CurrencyConvert

### Converting Currencies

#### **Description**

Retrieves currency exchange rates from the Internet and then updates t

#### **Viewing the code for this script**

##### **(Globals)**

Contains the sub CurrencyConvert, which launches the CurrencyDlg di

##### **CurrencyDlg dialog box**

Contains all subs and functions to process the currency conversion.

#### **Details**

This script retrieves currency exchange rate information from the World '

#### **Updating the currency table**

The workbook Currency.123 contains a table of currencies that matches

- \* Your computer must be connected to the Internet.
- \* The format of the table on the CNN fn site must match the format of th Currency.123.
- \* The file Currency.123 must be stored in the same directory as the Scri

You can manually update the values in the table of currencies in Curren

#### **Selecting the currencies to convert**

In the Currency Conversion dialog box, select a currency to convert and

When the application is run again, information in the cell comment lets 1

## CurrencyConvert

the values in a range, based on the specified currency.

dialog box.

Wide Web site CNN fm The Financial Network. Changes to this site may cause unexpected results ar

the table on the CNN fn World Wide Web site. In the Currency Conversion dialog box, you can choos

ie table in

ipts.123 file.

cy.123.

a new currency to convert to. When converting back to the base currency, specify "From" as the orig

-2-3 know which exchange rate to multiply by.

## CurrencyConvert

and may require updates to the Currency Conversion scripts.

Use to update the values in this table with values from the CNN fn site. Before you can update Currency

in final format and "To" as what it is being converted to.



## CurrencyConvert

y.123 with values from the Internet: