
LOOKUPINFILES

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INTRODUCTION

The LOOKUPINFILES package is a facility for building quick and easy access to on-line files. It allows search for a target string through all files in a specified list. It finds the target, and brings up the file in a window, with the target selected in inverse video. The file can then be used as the source for text for other documents. It is the basis for the user facilities of ADDRESSBOOK and FIND-CITATION. Its interface is defined by the function:

(MakeLookupWindow fileList processName mainWindowRegion iconBM iconMask iconPosition iconTitle)

These arguments are used as follows:

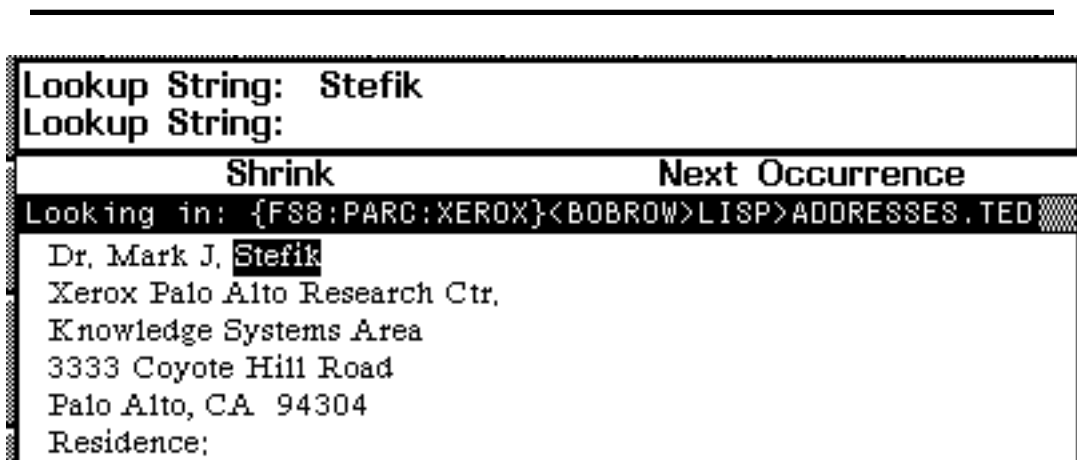
fileList	List of file names. Search goes through these files in order
processName	Name appearing in PSW for this lookup process
mainWindowRegion	Region for window showing text found
iconBM	Bit map for icon when mainWindow is shrunk
iconMask	Mask for icon
iconPosition	Position for icon
iconTitle	Title put under icon to distinguish lookup operation

Arguments other than fileList are optional. Calling MakeLookupWindow will construct a Lookup window, and shrinks it to the icon provided. Opening this icon shows the

window interface to the search process. To find any string in one of the files, type the string followed by a return. The program will quickly search through the files and show you an occurrence of the string typed. The located string is shown in inverse video. The title of the window will contain the name of the file in which the entry was found. The search ignores case; e.g. "bobrow" matches "Bobrow". The text of the document is scrollable, and any portion can be shift selected into another document.

Type carriage return, ^X, or click on **Next Occurrence** to search further in the files for the same string. If no (further) occurrences are found, the text window will display a message indicating the failure. Searching again after failure will start the search from the beginning of all the files, using the same lookup string. Typing a new string can be repeated as many times as you like. When you are done, just SHRINK the window back to its icon by using the Shrink selection in the title bar .

The window below is taken from the use of this package as an online address book.



Example LOOKUPINFILES window

Notes

Caching Files

When you first create the window, the program will copy the files to {CORE}, significantly speeding up queries. Bugging in the title of the main window with the left or middle mouse button will produce a menu with an option to recache all these files.

Editing Your Files

To edit the file in which a string is found, click middle button in the title of the main window, and select the option "Edit file named in window title". A TEDIT process editing the file will be set up. This process is independent of the lookup process. To select the file to be edited, rolloff the above item, and select "Select file to edit". A menu of files used by the Lookup process will be presented to you. Selecting one will cause that file to be edited.

To make editing changes visible to the lookup process, PUT the file in TEDIT; when it is done, recache the the file in core. To recache just the file edited, (the one specified in the title bar of the window), select the option "Recache file named in window title" in the middle button title bar menu. You can recache all files by selecting the option "Recache all files" in the title menu (a subselection of the item "Recache file named in window title").

Adding to the List of Files

To add to the list of files being used for lookup, select the option "Add new file" in the title bar menu. This file will be added to the beginning of the list of files to be searched, and cached in core.

Deleting a file from the List of Files

To delete from the list of files being used for lookup, select the option "Delete file from list" in the title bar menu. This file will be deleted from the list of files to be searched.