Rocky Enterprise Linux 9.2 Manual Pages on command 'lfind.3'

$ man lfind.3

LSEARCH(3) Linux Programmer's Manual LSEARCH(3)

NAME

lfind, lsearch - linear search of an array

SYNOPSIS

```
#include <search.h>
void *lfind(const void *key, const void *base, size_t *nmemb,
        size_t size, int(*compar)(const void *, const void *));
void *lsearch(const void *key, void *base, size_t *nmemb,
        size_t size, int(*compar)(const void *, const void *));
```

DESCRIPTION

lfind() and lsearch() perform a linear search for key in the array base which has *nmemb elements of size bytes each. The comparison function referenced by compar is expected to have two arguments which point to the key object and to an array member, in that order, and which returns zero if the key object matches the array member, and nonzero otherwise. If lsearch() does not find a matching element, then the key object is inserted at the end of the table, and *nmemb is incremented. In par? ticular, one should know that a matching element exists, or that more

room is available.

RETURN VALUE

lfind() returns a pointer to a matching member of the array, or NULL if no match is found. lsearch() returns a pointer to a matching member of the array, or to the newly added member if no match is found.

ATTRIBUTES

For an explanation of the terms used in this section, see at? tributes(7).

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?Interface ? Attribute ? Value ?

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?lfind(), lsearch() ? Thread safety ? MT-Safe ?

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CONFORMING TO

POSIX.1-2001, POSIX.1-2008, SVr4, 4.3BSD. Present in libc since libc-4.6.27.

BUGS

The naming is unfortunate.

SEE ALSO

bsearch(3), hsearch(3), tsearch(3)

COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at https://www.kernel.org/doc/man-pages/.

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