

**NAME**

memfrob – frobnicate (encrypt) a memory area

**SYNOPSIS**

```
#define _GNU_SOURCE      /* See feature_test_macros(7) */
#include <string.h>

void *memfrob(void *s, size_t n);
```

**DESCRIPTION**

The **memfrob()** function encrypts the first *n* bytes of the memory area *s* by exclusive-ORing each character with the number 42. The effect can be reversed by using **memfrob()** on the encrypted memory area.

Note that this function is not a proper encryption routine as the XOR constant is fixed, and is suitable only for hiding strings.

**RETURN VALUE**

The **memfrob()** function returns a pointer to the encrypted memory area.

**ATTRIBUTES**

For an explanation of the terms used in this section, see **attributes(7)**.

Interface	Attribute	Value
<b>memfrob()</b>	Thread safety	MT-Safe

**CONFORMING TO**

The **memfrob()** function is unique to the GNU C Library.

**SEE ALSO**

**bstring(3)**, **strfry(3)**

**COLOPHON**

This page is part of release 5.05 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/>.