

NAME

strnlen – determine the length of a fixed-size string

LIBRARY

Standard C library (*libc*, *-lc*)

SYNOPSIS

```
#include <string.h>
```

```
size_t strnlen(const char s[.maxlen], size_t maxlen);
```

Feature Test Macro Requirements for glibc (see **feature_test_macros(7)**):

strnlen():

Since glibc 2.10:

```
_POSIX_C_SOURCE >= 200809L
```

Before glibc 2.10:

```
_GNU_SOURCE
```

DESCRIPTION

The **strnlen()** function returns the number of bytes in the string pointed to by *s*, excluding the terminating null byte ('\0'), but at most *maxlen*. In doing this, **strnlen()** looks only at the first *maxlen* characters in the string pointed to by *s* and never beyond *s[maxlen-1]*.

RETURN VALUE

The **strnlen()** function returns *strlen(s)*, if that is less than *maxlen*, or *maxlen* if there is no null terminating ('\0') among the first *maxlen* characters pointed to by *s*.

ATTRIBUTES

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

Interface	Attribute	Value
strnlen()	Thread safety	MT-Safe

STANDARDS

POSIX.1-2008.

SEE ALSO

strlen(3)