



Linux Ubuntu 26.04 Manual Pages on command 'strnlen.3'

\$ man strnlen.3

strnlen(3) Library Functions Manual strnlen(3)

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[], 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)`.

[illegible]

POSIX.1-2008.

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```
strlen(3)
```

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