

**NAME**

`index`, `rindex` – locate character in string

**SYNOPSIS**

```
#include <strings.h>
```

```
char *index(const char *s, int c);
```

```
char *rindex(const char *s, int c);
```

**DESCRIPTION**

The `index()` function returns a pointer to the first occurrence of the character `c` in the string `s`.

The `rindex()` function returns a pointer to the last occurrence of the character `c` in the string `s`.

The terminating null byte (`'\0'`) is considered to be a part of the strings.

**RETURN VALUE**

The `index()` and `rindex()` functions return a pointer to the matched character or `NULL` if the character is not found.

**ATTRIBUTES**

For an explanation of the terms used in this section, see [attributes\(7\)](#).

Interface	Attribute	Value
<code>index()</code> , <code>rindex()</code>	Thread safety	MT-Safe

**CONFORMING TO**

4.3BSD; marked as LEGACY in POSIX.1-2001. POSIX.1-2008 removes the specifications of `index()` and `rindex()`, recommending [strchr\(3\)](#) and [strrchr\(3\)](#) instead.

**SEE ALSO**

[memchr\(3\)](#), [strchr\(3\)](#), [string\(3\)](#), [strpbrk\(3\)](#), [strrchr\(3\)](#), [strsep\(3\)](#), [strspn\(3\)](#), [strstr\(3\)](#), [strtok\(3\)](#)

**COLOPHON**

This page is part of release 4.16 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/>.