

**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
<b>index()</b> , <b>rindex()</b>	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**

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