

**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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