NAME
strchr, strrchr, strchrnul − locate character in string

LIBRARY
Standard C library (*libc*, *−lc*)

SYNOPSIS
#include <string.h>

char *strchr(const char **s***, int** *c***);**
char *strrchr(const char **s***, int** *c***);**

#define _GNU_SOURCE   /* See feature_test_macros(7) */
#include <string.h>

char *strchrnul(const char **s***, int** *c***);**

DESCRIPTION
The **strchr**() function returns a pointer to the first occurrence of the character *c* in the string *s*.

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

The **strchrnul**() function is like **strchr**() except that if *c* is not found in *s*, then it returns a pointer to the null byte at the end of *s*, rather than NULL.

Here "character" means "byte"; these functions do not work with wide or multibyte characters.

RETURN VALUE
The **strchr**() and **strrchr**() functions return a pointer to the matched character or NULL if the character is not found. The terminating null byte is considered part of the string, so that if *c* is specified as '\0', these functions return a pointer to the terminator.

The **strchrnul**() function returns a pointer to the matched character, or a pointer to the null byte at the end of *s* (i.e., *s+strlen(s)*) if the character is not found.

VERSIONS
strchrnul() was added in glibc 2.1.1.

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

Interface	Attribute	Value
strchr(), **strrchr**(), **strchrnul**()	Thread safety	MT-Safe

STANDARDS
strchr(), **strrchr**(): POSIX.1-2001, POSIX.1-2008, C99, SVr4, 4.3BSD.

strchrnul() is a GNU extension.

SEE ALSO
memchr(3), **string**(3), **strlen**(3), **strpbrk**(3), **strsep**(3), **strspn**(3), **strstr**(3), **strtok**(3), **wcschr**(3), **wc-srchr**(3)