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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'wctype.3' command

\$ man wctype.3

WCTYPE(3) Linux Programmer's Manual WCTYPE(3)

NAME

wctype - wide-character classification

SYNOPSIS

```
#include <wctype.h>
```

```
wctype_t wctype(const char *name);
```

DESCRIPTION

The `wctype_t` type represents a property which a wide character may or may not have. In other words, it represents a class of wide characters. This type's nature is implementation-dependent, but the special value (`wctype_t`) 0 denotes an invalid property. Nonzero `wctype_t` values can be passed to the `iswctype(3)` function to actually test whether a given wide character has the property.

The `wctype()` function returns a property, given by its name. The set of valid names depends on the `LC_CTYPE` category of the current locale, but the following names are valid in all locales.

"alnum" - realizes the `isalnum(3)` classification function

"alpha" - realizes the `isalpha(3)` classification function

"blank" - realizes the `isblank(3)` classification function

"cntrl" - realizes the `iscntrl(3)` classification function

"digit" - realizes the `isdigit(3)` classification function

"graph" - realizes the `isgraph(3)` classification function

"lower" - realizes the `islower(3)` classification function

"print" - realizes the isprint(3) classification function
"punct" - realizes the ispunct(3) classification function
"space" - realizes the isspace(3) classification function
"upper" - realizes the isupper(3) classification function
"xdigit" - realizes the isxdigit(3) classification function

RETURN VALUE

The wctype() function returns a property descriptor if the name is valid. Otherwise, it returns (wctype_t) 0.

ATTRIBUTES

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

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?Interface ? Attribute ? Value ?

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?wctype() ? Thread safety ? MT-Safe locale ?

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CONFORMING TO

POSIX.1-2001, POSIX.1-2008, C99.

NOTES

The behavior of wctype() depends on the LC_CTYPE category of the current locale.

SEE ALSO

iswctype(3)

COLOPHON

This page is part of release 5.10 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/>.