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).

Interface	Attribute	Value
wctype()	Thread safety	MT-Safe locale

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

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