NAME

isdigit, **isnumber**, **isdigit_l**, **isnumber_l** - decimal-digit character test

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <ctype.h>

int
isdigit(*int c*);

int
isnumber(*int c*);

int
isdigit_l(*int c*, *locale_t loc*);

int
isnumber_l(*int c*, *locale_t loc*);

DESCRIPTION

The **isdigit**() and **isdigit_l**() functions test for a decimal digit character. Regardless of locale, this includes the following characters only:

``0''          ``1''   ``2''          ``3''   ``4''
``5''          ``6''   ``7''          ``8''   ``9''

The **isnumber**() and **isnumber_l**() functions behave similarly to **isdigit**() and **isdigit_l**(), but may recognize additional characters, depending on the current locale setting.

The value of the argument must be representable as an *unsigned char* or the value of EOF.

The _l-suffixed versions take an explicit locale argument, whereas the non-suffixed versions use the current global or per-thread locale.

RETURN VALUES

The **isdigit**(), **isdigit_l**(), **isnumber**(), and **isnumber_l**() functions return zero if the character tests false and return non-zero if the character tests true.

COMPATIBILITY

The 4.4BSD extension of accepting arguments outside of the range of the *unsigned char* type in locales with large character sets is considered obsolete and may not be supported in future releases. The **iswdigit**() or **iswdigit_l**() function should be used instead.

SEE ALSO

ctype(3), ctype_l(3), iswdigit(3), iswdigit_l(3), multibyte(3), xlocale(3), ascii(7)

STANDARDS

The **isdigit**() function conforms to ISO/IEC 9899:1990 ("ISO C90"). The **isdigit_l**() function conforms to IEEE Std 1003.1-2008 ("POSIX.1").

HISTORY

The **isnumber**() function appeared in 4.4BSD.