NAME

ispunct, **ispunct_l** - punctuation character test

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <ctype.h>

int
ispunct(*int c*);

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

DESCRIPTION

The **ispunct**() and **ispunct_l**() functions test for any printing character except for space (' ') or a character for which isalnum(3) or isalnum_l(3) is true. The value of the argument must be representable as an *unsigned char* or the value of EOF.

In the ASCII character set, this includes the following characters (with their numeric values shown in octal):

041 ''!''	042 ''"''	043 ''#''	044 ''$''	045 ''%''
046 ''&''	047 '''''	050 ''(''	051 '')''	052 ''*''
053 ''+''	054 '',''	055 ''-''	056 ''.''	057 ''/''
072 '':''	073 '';''	074 ''<''	075 ''=''	076 ''>''
077 ''?''	100 ''@''	133 ''[''	134 ''\''	135 '']''
136 ''^''	137 ''_''	140 ''`''	173 ''{''	174 ''|''
175 ''}''	176 ''~''			

The **ispunct_l**() function takes an explicit locale argument, whereas the **ispunct**() function uses the current global or per-thread locale.

RETURN VALUES

The **ispunct**() and **ispunct_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
iswpunct() or **iswpunct_l**() function should be used instead.

SEE ALSO

ctype(3), ctype_l(3), iswpunct(3), iswpunct_l(3), xlocale(3), ascii(7)

STANDARDS

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

HISTORY

The **ispunct**() function first appeared in Version 7 AT&T UNIX.