NAME
      iswpunct − test for punctuation or symbolic wide character

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

SYNOPSIS
      #include <wctype.h>

      int iswpunct(wint_t *wc***);**

DESCRIPTION
      The **iswpunct**() function is the wide-character equivalent of the **ispunct**(3) function. It tests whether *wc* is a wide character belonging to the wide-character class "punct".

      The wide-character class "punct" is a subclass of the wide-character class "graph", and therefore also a subclass of the wide-character class "print".

      The wide-character class "punct" is disjoint from the wide-character class "alnum" and therefore also disjoint from its subclasses "alpha", "upper", "lower", "digit", "xdigit".

      Being a subclass of the wide-character class "print", the wide-character class "punct" is disjoint from the wide-character class "cntrl".

      Being a subclass of the wide-character class "graph", the wide-character class "punct" is disjoint from the wide-character class "space" and its subclass "blank".

RETURN VALUE
      The **iswpunct**() function returns nonzero if *wc* is a wide-character belonging to the wide-character class "punct". Otherwise, it returns zero.

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

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

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

NOTES
      The behavior of **iswpunct**() depends on the **LC_CTYPE** category of the current locale.

      This function's name is a misnomer when dealing with Unicode characters, because the wide-character class "punct" contains both punctuation characters and symbol (math, currency, etc.) characters.

SEE ALSO
      ispunct(3), **iswctype**(3)