

**NAME**

iswpunct - test for punctuation or symbolic wide character

**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.

**CONFORMING TO**

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\(3\)](#)

**COLOPHON**

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