

**NAME**

iswlower – test for lowercase wide character

**SYNOPSIS**

```
#include <wctype.h>

int iswlower(wint_t wc);
```

**DESCRIPTION**

The **iswlower()** function is the wide-character equivalent of the **islower(3)** function. It tests whether *wc* is a wide character belonging to the wide-character class "lower".

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

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

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

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

Being a subclass of the wide-character class "alpha", the wide-character class "lower" is disjoint from the wide-character class "digit".

The wide-character class "lower" contains at least those characters *wc* which are equal to *towlower(wc)* and different from *toupper(wc)*.

The wide-character class "lower" always contains at least the letters 'a' to 'z'.

**RETURN VALUE**

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

**ATTRIBUTES**

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

Interface	Attribute	Value
<b>iswlower()</b>	Thread safety	MT-Safe locale

**CONFORMING TO**

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

**NOTES**

The behavior of **iswlower()** depends on the **LC\_CTYPE** category of the current locale.

This function is not very appropriate for dealing with Unicode characters, because Unicode knows about three cases: upper, lower and title case.

**SEE ALSO**

**islower(3)**, **iswctype(3)**, **towlower(3)**

**COLOPHON**

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