

NAME

iswalpha - test for alphabetic wide character

SYNOPSIS

```
#include <wctype.h>

int iswalpha(wint_t wc);
```

DESCRIPTION

The **iswalpha()** function is the wide-character equivalent of the [isalpha\(3\)](#) function. It tests whether *wc* is a wide character belonging to the wide-character class alpha.

The wide-character class alpha is a subclass of the wide-character class alnum, and therefore also a subclass 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 alpha is disjoint from the wide-character class cntrl.

Being a subclass of the wide-character class graph, the wide-character class alpha 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 alpha is disjoint from the wide-character class punct.

The wide-character class alpha is disjoint from the wide-character class digit.

The wide-character class alpha contains the wide-character classes upper and lower.

The wide-character class alpha always contains at least the letters A to Z and a to z.

RETURN VALUE

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

ATTRIBUTES**Multithreading (see [pthreads\(7\)](#))**

The **iswalpha()** function is thread-safe with exceptions. It can be safely used in multithreaded applications, as long as [setlocale\(3\)](#) is not called to change the locale during its execution.

CONFORMING TO

C99.

NOTES

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

SEE ALSO

[isalpha\(3\)](#), [iswctype\(3\)](#)

COLOPHON

This page is part of release 3.74 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <http://www.kernel.org/doc/man-pages/>.