

**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**

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