

NAME

iswalpha – test for alphabetic wide character

LIBRARY

Standard C library (*libc*, *-lc*)

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

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

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

STANDARDS

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

NOTES

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

SEE ALSO

isalpha(3), **iswctype(3)**