

**NAME**

iswupper - test for uppercase wide character

**SYNOPSIS**

```
#include <wctype.h>

int iswupper(wint_t wc);
```

**DESCRIPTION**

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

The wide-character class upper 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 upper is disjoint from the wide-character class cntrl.

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

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

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

The wide-character class upper always contains at least the letters A to Z.

**RETURN VALUE**

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

**CONFORMING TO**

C99.

**NOTES**

The behavior of **iswupper()** 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**

[isupper\(3\)](#), [iswctype\(3\)](#), [towupper\(3\)](#)

**COLOPHON**

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