

**NAME**

iswdigit - test for decimal digit wide character

**SYNOPSIS**

```
#include <wctype.h>

int iswdigit(wint_t wc);
```

**DESCRIPTION**

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

The wide-character class digit is a subclass of the wide-character class xdigit, 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 digit is disjoint from the wide-character class cntrl.

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

The wide-character class digit is disjoint from the wide-character class alpha and therefore also disjoint from its subclasses lower, upper.

The wide-character class digit always contains exactly the digits 0 to 9.

**RETURN VALUE**

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

**CONFORMING TO**

C99.

**NOTES**

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

**SEE ALSO**

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

**COLOPHON**

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