

NAME

digitoint, **isalnum**, **isalpha**, **isascii**, **isblank**, **isctrl**, **isdigit**, **isgraph**, **ishexnumber**, **isideogram**, **islower**, **isnumber**, **isphonogram**, **isprint**, **ispunct**, **isrune**, **isspace**, **isspecial**, **isupper**, **isxdigit**, **toascii**, **tolower**, **toupper** - character classification functions

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

```
#include <ctype.h>
```

int

```
digitoint(int c);
```

int

```
isalnum(int c);
```

int

```
isalpha(int c);
```

int

```
isascii(int c);
```

int

```
isctrl(int c);
```

int

```
isdigit(int c);
```

int

```
isgraph(int c);
```

int

```
ishexnumber(int c);
```

int

```
isideogram(int c);
```

int

```
islower(int c);
```

int
isnumber(*int c*);

int
isphonogram(*int c*);

int
isspecial(*int c*);

int
isprint(*int c*);

int
ispunct(*int c*);

int
isrune(*int c*);

int
isspace(*int c*);

int
isupper(*int c*);

int
isxdigit(*int c*);

int
toascii(*int c*);

int
tolower(*int c*);

int
toupper(*int c*);

DESCRIPTION

The above functions perform character tests and conversions on the integer *c*. They are available as macros, defined in the include file `<ctype.h>`, or as true functions in the C library. See the specific manual pages for more information.

SEE ALSO

digittoint(3), isalnum(3), isalpha(3), isascii(3), isblank(3), iscntrl(3), isdigit(3), isgraph(3),
isideogram(3), islower(3), isphonogram(3), isprint(3), ispunct(3), isrune(3), isspace(3), isspecial(3),
isupper(3), isxdigit(3), toascii(3), tolower(3), toupper(3), wctype(3), ascii(7)

STANDARDS

These functions, except for **digittoint()**, **isascii()**, **ishexnumber()**, **isideogram()**, **isnumber()**,
isphonogram(), **isrune()**, **isspecial()** and **toascii()**, conform to ISO/IEC 9899:1990 ("ISO C90").

HISTORY

The functions **isalpha()**, **isupper()**, **islower()**, **isdigit()**, **isalnum()**, **isspace()**, **ispunct()**, **isprint()**, **iscntrl()**,
and **isascii()** first appeared in Version 7 AT&T UNIX.