



Linux Ubuntu 26.04 Manual Pages on command 'abs.3'

\$ man abs.3

abs(3) Library Functions Manual abs(3)

NAME

abs, labs, llabs, imaxabs, uabs, ulabs, ullabs, umaxabs - compute the absolute value of an integer

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <stdlib.h>

int abs(int j);

long labs(long j);

long long llabs(long long j);

unsigned int uabs(int j);

unsigned long ulabs(long j);

unsigned long long ullabs(long long j);

#include <inttypes.h>

intmax_t imaxabs(intmax_t j);

uintmax_t umaxabs(intmax_t j);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

```
llabs():

    _ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L

uabs(), ulabs(), ullabs(), umaxabs():

    _ISOC2Y_SOURCE
```

DESCRIPTION

For `abs()`, `labs()`, `llabs()`, and `imaxabs()`, trying to take the absolute value of the most negative integer is not defined.

SEE ALSO

`cabs(3)`, `ceil(3)`, `fabs(3)`, `floor(3)`, `rint(3)`

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`abs(3)`