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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'abs.3p' command

\$ man abs.3p

ABS(3P) POSIX Programmer's Manual ABS(3P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

abs ? return an integer absolute value

SYNOPSIS

```
#include <stdlib.h>

int abs(int i);
```

DESCRIPTION

The functionality described on this reference page is aligned with the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

The abs() function shall compute the absolute value of its integer operand, i. If the result cannot be represented, the behavior is undefined.

RETURN VALUE

The abs() function shall return the absolute value of its integer operand.

ERRORS

No errors are defined.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

In two's-complement representation, the absolute value of the negative integer with largest magnitude `{INT_MIN}` might not be representable.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

`fabs()`, `labs()`

The Base Definitions volume of POSIX.1-2017, `<stdlib.h>`

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