



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

\$ man roundup.3

roundup(3) Library Functions Manual roundup(3)

NAME

roundup - round up in steps

LIBRARY

Standard C library (libc)

SYNOPSIS

```
#include <sys/param.h>
```

```
roundup(x, step);
```

DESCRIPTION

This macro rounds x to the nearest multiple of step that is not less than x.

It is typically used for rounding up a pointer to align it or increasing a buffer to be aligned at a certain location.

This API is not designed to be generic, and doesn't work in some cases that are not important for the typical use cases described above. See CAVEATS.

RETURN VALUE

This macro returns the rounded value.

STANDARDS

None.

CAVEATS

The arguments may be evaluated more than once.

x should be nonnegative, and step should be positive.

If x + step would overflow or wrap around, the behavior is undefined.

SEE ALSO

ceil(3), floor(3), lrint(3), rint(3), lround(3), round(3)

Linux man-pages 6.17

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