NAME

basenc − Encode/decode data and print to standard output

SYNOPSIS

basenc [*OPTION*]... [*FILE*]

DESCRIPTION

basenc encode or decode FILE, or standard input, to standard output.

With no FILE, or when FILE is −, read standard input.

Mandatory arguments to long options are mandatory for short options too.

−−base64
> same as 'base64' program (RFC4648 section 4)

−−base64url
> file− and url−safe base64 (RFC4648 section 5)

−−base32
> same as 'base32' program (RFC4648 section 6)

−−base32hex
> extended hex alphabet base32 (RFC4648 section 7)

−−base16
> hex encoding (RFC4648 section 8)

−−base2msbf
> bit string with most significant bit (msb) first

−−base2lsbf
> bit string with least significant bit (lsb) first

−d, **−−decode**
> decode data

−i, **−−ignore−garbage**
> when decoding, ignore non−alphabet characters

−w, **−−wrap**=*COLS*
> wrap encoded lines after COLS character (default 76). Use 0 to disable line wrapping

−−z85   ascii85−like encoding (ZeroMQ spec:32/Z85); when encoding, input length must be a multiple of
> 4; when decoding, input length must be a multiple of 5

−−help   display this help and exit

−−version
> output version information and exit

When decoding, the input may contain newlines in addition to the bytes of the formal alphabet. Use **−−ig-
nore−garbage** to attempt to recover from any other non−alphabet bytes in the encoded stream.

ENCODINGS EXAMPLES

```
$ printf '\376\117\202' | basenc −−base64
/k+C

$ printf '\376\117\202' | basenc −−base64url
_k-C

$ printf '\376\117\202' | basenc −−base32
7ZHYE===

$ printf '\376\117\202' | basenc −−base32hex
VP7O4===
```

```
$ printf '\376\117\202' | basenc −−base16
FE4F82

$ printf '\376\117\202' | basenc −−base2lsbf
011111111111001001000001

$ printf '\376\117\202' | basenc −−base2msbf
111111100100111110000010

$ printf '\376\117\202\000' | basenc −−z85
@.FaC
```

AUTHOR
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REPORTING BUGS
GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Report any translation bugs to <https://translationproject.org/team/>

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SEE ALSO
Full documentation <https://www.gnu.org/software/coreutils/basenc>
or available locally via: info '(coreutils) basenc invocation'