NAME
    gen−password − Generate random passwords

SYNOPSIS
    gen-password [options]

```
 Options:
    −help       Show short usage message
    −help1      Show medium usage message
    −help2      Show long usage message
    −man        Show long usage message (invokes pager)
```

    Use **−help1**, **−help2**, or **−man** to see more options.

DESCRIPTION
    gen-password generates random passwords.

    It is part of the **random-passwords** package, available at

    <https://github.com/Keith−S−Thompson/random−passwords>

    More documentation is available there.

    By default, a 12−character password is generated, consisting of lowercase letters and decimal digits.
    Options let you control the length and valid characters, and to add specified single characters (for example
    if you need a 16−character password with 1 digit, 1 uppercase letter, and 1 punctuation character).

    There is currently no option to use non-ASCII characters.

OPTIONS
    All options may be abbreviated uniquely. **−help** may be abbreviated as **−h**.

    −help
        Show short usage message

    −help1
        Show medium usage message

    −help2
        Show long usage message

    −man
        Show long usage message using **perldoc**, invokes pager

    −length N
        Length of generated password, default is 12

    −charset ...
        Character set, default is ''a−z0−9''

        The argument is a single word.

    −decimal, **−digits**
        Equivalent to **−charset 0−9**

    −hexadecimal
        Equivalent to **−charset 0−9a−f**

    −Hexadecimal
        Equivalent to **−charset 0−9A−F**

    −octal
        Equivalent to **−charset 0−7**

    −lower
        Equivalent to **−charset a−z**

−upper
 Equivalent to **−charset A−Z**

−alphanumeric
 Equivalent to **−charset A−Za−z0−9**

−printable
 Equivalent to ''**−charset !−˜**'' (ASCII non-blank printable characters)

−1lower
 Include (at least) 1 lower case letter

−1upper
 Include (at least) 1 upper case letter

−1decimal −1digit
 Include (at least) 1 decimal digit

−1punctuation
 Include (at least) 1 punctuation character

−1charset ...
 Include (at least) 1 character from the specified set

 This option may be given multiple times. (The other **−1...** options may only be given once.) Use **−1charset 0−9 −1charset 0−9** for 2 decimal digits.

−split N
 Split with a blank every N characters

−dev−random
 Use /dev/random rather than /dev/urandom

 This can be much slower and is probably unnecessary.

−debugging
 Produce debugging output (developer option)

SEE ALSO
 gen-password, also part of the **random-passwords** package.

 <https://github.com/Keith−S−Thompson/random−passwords>.

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