



Linux Ubuntu 26.04 Manual Pages on command 'expr.1'

\$ man expr.1

EXPR(1) General Commands Manual EXPR(1)

NAME

expr - Print the value of EXPRESSION to standard output

SYNOPSIS

expr [--version] [--help] [expression]

DESCRIPTION

Print the value of EXPRESSION to standard output

OPTIONS

--version

output version information and exit

--help display this help and exit

[expression]

EXTRA

Print the value of EXPRESSION to standard output. A blank line below separates increasing precedence groups.

EXPRESSION may be:

- ARG1 | ARG2: ARG1 if it is neither null nor 0, otherwise ARG2 - ARG1 & ARG2: ARG1 if nei?

ther argument is null or 0, otherwise 0 - ARG1 < ARG2: ARG1 is less than ARG2 - ARG1 <=

ARG2: ARG1 is less than or equal to ARG2 - ARG1 = ARG2: ARG1 is equal to ARG2 - ARG1 !=

ARG2: ARG1 is unequal to ARG2 - ARG1 >= ARG2: ARG1 is greater than or equal to ARG2 - ARG1 >

ARG2: ARG1 is greater than ARG2 - ARG1 + ARG2: arithmetic sum of ARG1 and ARG2 - ARG1 -

ARG2: arithmetic difference of ARG1 and ARG2 - ARG1 * ARG2: arithmetic product of ARG1 and

ARG2 - ARG1 / ARG2: arithmetic quotient of ARG1 divided by ARG2 - ARG1 % ARG2: arithmetic

remainder of ARG1 divided by ARG2 - STRING : REGEXP: anchored pattern match of REGEXP in
STRING - match STRING REGEXP: same as STRING : REGEXP - substr STRING POS LENGTH: substring
of STRING, POS counted from 1 - index STRING CHARS: index in STRING where any CHARS is
found, or 0 - length STRING: length of STRING - + TOKEN: interpret TOKEN as a string, even
if it is a keyword like match

or an operator like / - (EXPRESSION): value of EXPRESSION

Beware that many operators need to be escaped or quoted for shells. Comparisons are arith?
metic if both ARGs are numbers, else lexicographical. Pattern matches return the string
matched between \ (and \) or null; if \ (and \) are not used, they return the number of
characters matched or 0.

Exit status is 0 if EXPRESSION is neither null nor 0, 1 if EXPRESSION is null or 0, 2 if EX?
PRESSION is syntactically invalid, and 3 if an error occurred.

Environment variables:

- EXPR_DEBUG_TOKENS=1: dump expression's tokens - EXPR_DEBUG_RPN=1: dump expression repre?
sented in reverse polish notation - EXPR_DEBUG_SYA_STEP=1: dump each parser step - EXPR_DE?
BUG_AST=1: dump expression represented abstract syntax tree

VERSION

v(utils coreutils) 0.8.0

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