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Rocky Enterprise Linux 9.2 Manual Pages on command 'expr.1'

$ man expr.1

EXPR(1)   User Commands   EXPR(1)

NAME

   expr - evaluate expressions

SYNOPSIS

   expr EXPRESSION

   expr OPTION

DESCRIPTION

   --help display this help and exit

   --version

       output version information and exit

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 neither 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 arithmetic if both ARGs are numbers, else lexicographi?

cal. 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 EXPRESSION is syntactically invalid, and 3 if an er?

ror occurred.

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/expr>

or available locally via: info '(coreutils) expr invocation'

GNU coreutils 8.32   January 2023   EXPR(1)