Expression Evaluator

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# Operator Precedence

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| --- | --- | --- | --- |
| Level | **Operator** | **Precedence Tag** | **Associativity** |
| 15 | Postfix ! | POSTFIX | Non-associative |
| 14 | \*\* | POWER | Right-associative |
| 13 | Unary +, Unary –, NOT, ~ | UNARY | Non-associative |
| 12 | \*, /, mod | MULTIPLICATIVE | Left-associative |
| 11 | Binary +, – | ADDITIVE | Left-associative |
| 10 | <<, >> | BITSHIFT | Left-associative |
| 9 | <, <=, >, >= | RELATIONAL | Left-associative |
| 8 | ==, != | EQUALITY | Left-associative |
| 7 | & | BITAND | Left-associative |
| 6 | ^ | BITXOR | Left-associative |
| 5 | | | BITOR | Left-associative |
| 4 | AND, NAND | LOGAND | Left-associative |
| 3 | XOR, XNOR | LOGXOR | Left-associative |
| 2 | OR, NOR | LOGOR | Left-associative |
| 1 | Assignment = | ASSIGNMENT | Right-associative |