| **Operation** | **Syntax** | **Function** |
| --- | --- | --- |
| Addition | a + b | add(a, b) |
| Concatenation | seq1 + seq2 | concat(seq1, seq2) |
| Containment Test | obj in seq | contains(seq, obj) |
| Division | a / b | div(a, b) (without \_\_future\_\_.division) |
| Division | a / b | truediv(a, b) (with \_\_future\_\_.division) |
| Division | a // b | floordiv(a, b) |
| Bitwise And | a & b | and\_(a, b) |
| Bitwise Exclusive Or | a ^ b | xor(a, b) |
| Bitwise Inversion | ~ a | invert(a) |
| Bitwise Or | a | b | or\_(a, b) |
| Exponentiation | a \*\* b | pow(a, b) |
| Identity | a is b | is\_(a, b) |
| Identity | a is not b | is\_not(a, b) |
| Indexed Assignment | obj[k] = v | setitem(obj, k, v) |
| Indexed Deletion | del obj[k] | delitem(obj, k) |
| Indexing | obj[k] | getitem(obj, k) |
| Left Shift | a << b | lshift(a, b) |
| Modulo | a % b | mod(a, b) |
| Multiplication | a \* b | mul(a, b) |
| Negation (Arithmetic) | - a | neg(a) |
| Negation (Logical) | not a | not\_(a) |
| Positive | + a | pos(a) |
| Right Shift | a >> b | rshift(a, b) |
| Sequence Repetition | seq \* i | repeat(seq, i) |
| Slice Assignment | seq[i:j] = values | setitem(seq, slice(i, j), values) |
| Slice Deletion | del seq[i:j] | delitem(seq, slice(i, j)) |
| Slicing | seq[i:j] | getitem(seq, slice(i, j)) |
| String Formatting | s % obj | mod(s, obj) |
| Subtraction | a - b | sub(a, b) |
| Truth Test | obj | truth(obj) |
| Ordering | a < b | lt(a, b) |
| Ordering | a <= b | le(a, b) |
| Equality | a == b | eq(a, b) |
| Difference | a != b | ne(a, b) |
| Ordering | a >= b | ge(a, b) |
| Ordering | a > b | gt(a, b) |