Python Reference

Operation	Meaning	Example
`+`, `-`, `*`	Add, subtract, multiply numbers	`3 + 2 * 4` is `11`
`/`	Divide; the result is a float	`7 / 2` is `3.5`
`//`	Divide and round down to a whole number	`7 // 2` is `3`
`%`	Remainder after division	`7 % 2` is `1`
`**`	Raise to a power	`2 ** 3` is `8`
`==`, `!=`	Equal, not equal	`3 == 4` is `False`
`<`, `<=`, `>`, `>=`	Compare values; `=` includes equality	`3 <= 3` is `True`
`and`, `or`, `not`	Both conditions, either condition, reverse a condition	`3 > 0 and 3 < 5` is `True`
`+`, `*` on strings	Join text, repeat text	`'ha' * 2` is `'haha'`

Collections

Operation	Meaning
`values[i]`	Item at index `i`; indexes start at zero
`values[-1]`	Last item
`values[start:stop:step]`	Slice; excludes `stop`, with a default step of `1`
`record[key]`	Dictionary value associated with `key`
`x in values`	Whether a list contains `x`
`key in record`	Whether a dictionary contains `key`
`len(values)`	Number of items
`sum(values)`, `min(values)`, `max(values)`	Total, smallest, largest