

$$\max_{2 \leq x \leq 3} \# \Rightarrow 3$$

$$\text{max} \quad 0.4 \# \Rightarrow 4$$

main 'apple' 'banana' 'pear' key=len #=> 'pear'

$$\text{sum} \quad 3 \quad 5 \quad 7 \quad \# \Rightarrow \quad 15$$

pow 3 5 # ==> 243 (== 3**5)

3510 # ≥ 3 ($= (3 * * 5) \% 10$, efficiently)



divmod divmod 10 6

#quotient, remainder >= (1, 4)

#FlatTen a list of lists (between 1 and 10)

3 5 1 7 4 [] # => [3, 5, 1, 7, 4]

Common One-Liners

```
max(2, 3) # => 3
```

```
max([0, 4, 1]) # => 4
```

```
min(['apple', 'banana', 'pear'], key=len) # => 'pear'
```

```
sum([3, 5, 7]) # => 15
```

```
pow(3, 5) # => 243 (= 3 ** 5)
```

```
pow(3, 5, 10) # => 3 (= (3 ** 5) % 10, efficiently)
```

```
quotient, remainder = divmod(10, 6)
```

```
# quotient, remainder => (1, 4)
```

```
# Flatten a list of lists (slower than itertools.chain)
```

```
sum([[3, 5], [1, 7], [4]], []) # => [3, 5, 1, 7, 4]
```

Other Modules

Modules that you should know exist