Python Built-in Data Structure Methods Cheat Sheet

List Methods

append(x) -> [1, 2].append(3) -> [1, 2, 3]

extend(iterable) -> [1, 2].extend([3, 4]) -> [1, 2, 3, 4]

insert(i, x) -> [1, 3].insert(1, 2) -> [1, 2, 3]

remove(x) -> [1, 2, 3].remove(2) -> [1, 3]

pop(i) -> [1, 2, 3].pop(1) -> 2, [1, 3]

clear() -> [1, 2, 3].clear() -> []

index(x) -> [1, 2, 3].index(2) -> 1

count(x) -> [1, 1, 2].count(1) -> 2

sort() -> [3, 1, 2].sort() -> [1, 2, 3]

reverse() -> [1, 2, 3].reverse() -> [3, 2, 1]

String Methods

lower() -> 'HELLO'.lower() -> 'hello'

upper() -> 'hello'.upper() -> 'HELLO'

strip() -> ' hello '.strip() -> 'hello'

split(delim) -> 'a,b,c'.split(',') -> ['a', 'b', 'c']

join(iterable) -> ','.join(['a','b']) -> 'a,b'

replace(old, new) -> 'abc'.replace('a','x') -> 'xbc'

find(sub) -> 'hello'.find('e') -> 1

startswith(prefix) -> 'hello'.startswith('he') -> True

endswith(suffix) -> 'hello'.endswith('lo') -> True

Tuple Methods

count(x) -> (1, 2, 2).count(2) -> 2

index(x) -> (1, 2, 3).index(2) -> 1

Set Methods

add(x) -> {1, 2}.add(3) -> {1, 2, 3}

remove(x) -> {1, 2, 3}.remove(2) -> {1, 3}

discard(x) -> {1, 2}.discard(3) -> {1, 2}

union() -> {1, 2}.union({3}) -> {1, 2, 3}

intersection() -> {1,2}.intersection({2,3}) -> {2}

difference() -> {1,2}.difference({2,3}) -> {1}

Dictionary Methods

get(key) -> {'a':1}.get('a') -> 1

keys() -> {'a':1}.keys() -> dict_keys(['a'])

values() -> {'a':1}.values() -> dict_values([1])

items() -> {'a':1}.items() -> dict_items([('a', 1)])

update(dict2) -> {'a':1}.update({'b':2}) -> {'a':1,'b':2}

pop(key) -> {'a':1}.pop('a') -> 1