



PYTHON

SET

METHODS



In Python - a **set** is a data structure used to store many items.

Items are **unordered** (they do not exist in a defined order), and **unchangeable** (they cannot be altered after creation)

Sets do not allow **duplicate** items.

There are many important **methods** that can be used with sets...



.add()

Adds an element to your set



.union()

Returns a **new set** containing the values from your set and another set (without duplicates)



.update()

Updates your set (in place) with values from another set (without duplicates)





`.difference()`

Returns a new set containing elements **not found** in both your set and another set



`.difference_update()`

Removes elements in your set
that are found in another set



`.intersection()`

Returns a new set containing elements **found** in your set **and** another set





.intersection_update()

Removes elements in your set
that are not found in another set





.isdisjoint()

Returns whether there are **any common elements** (intersection) in two sets (Boolean: True/False)



`.remove()`

Removes a specified element from your set. **An error is raised** if that element is not found



`.discard()`

Removes a specified element from your set. **No error is raised** if that element is not found



.pop()

Removes (and returns) a random element from your set



.copy()

Returns a **copy** of your set



.clear()

Removes all elements of your set

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