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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

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.union()

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

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.update()

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

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.difference()

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

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.difference_update()

Removes elements in your set that are found in another set

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.intersection()

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

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.intersection_update()

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

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.isdisjoint()

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

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.remove()

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

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.discard()

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

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.pop()

Removes (and returns) a random element from your set

.copy()

Returns a copy of your set

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.clear()

Removes all elements of your set

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