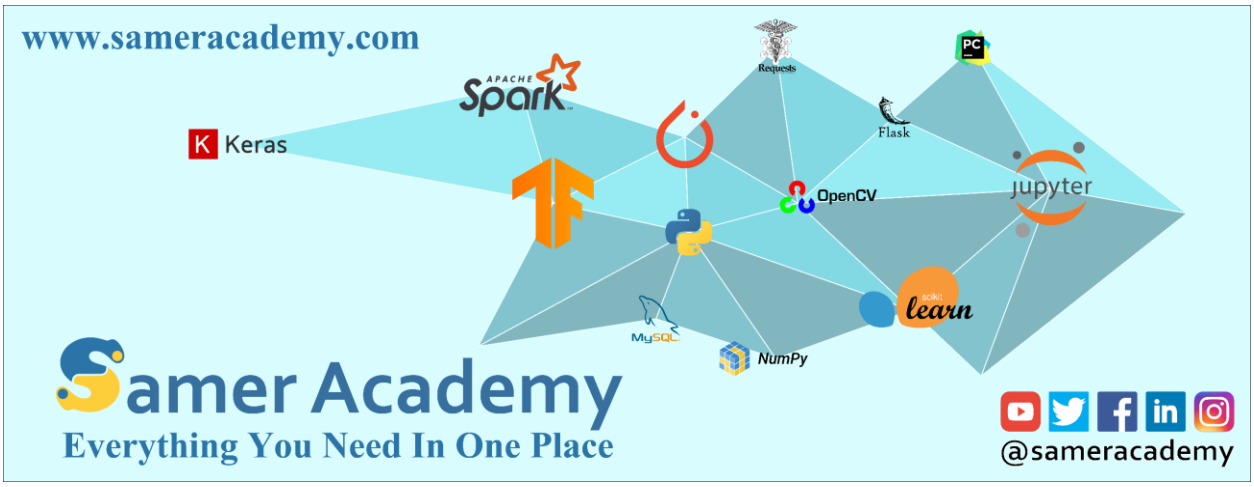

Python Sets

Function	Description
len(object) -> int	Determines how many items a set has.
max(iterable: numeric values) -> int or float	Returns the maximum number in the set.
min(iterable: numeric values) -> int or float	Returns the minimum number in the set.
sum(iterable: numeric values) -> int or float	Returns sum of the set elements.
issubset(other: set) -> bool	Tests whether every element in the set is in the other.
issuperset(other: set) -> bool	Tests whether every element in other is in the set.
union(*others: set) -> set	Returns a new set with elements from the set and all others.
intersection(*others: set) -> set	Returns a new set with elements common to the set and all others.

Function	Description
difference(*others: set) -> set	Returns a new set with elements in the set that are not in the others.
add(elem)	Adds element elem to the set.
remove(elem)	Removes element elem from the set. Raises KeyError if elem is not contained in the set.

Assume: s1 = {1, 2, 3, 4}, s2 = {1, 2}

Sets Operators	Name	Example	Result
<=	Is subset	s2 <= s1	True
>=	Is superset	s1 >= s2	True
|	Union	s1 | s2	{1, 2, 3, 4}
&	Intersection	s1 & s2	{1, 2}
-	Difference	s1 – s2	{3, 4}
in not in	Membership	1 in s2 5 not in s1	True True

For more info about python sets visit:

https://docs.python.org/3/c-api/set.html

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