* Set

Set is an unordered collection of unique item

unordered: There's no fixed indexing. (like List/tuple) unique: Duplicate values (objects) on ignored

Creation of set.

1. using curly braces.

my_set = { 10, 20, "Shaill"}

2. using seto junction.

my set = set ([1,2,2,3]) // §1,2,34

3. Empty set

my-set = set()

gf you write just my set às & y it will become a dictionary.

· Properties

1. umordered - Indexing/slicing mot allowed.

2. unique - Removes duplicates automatically.

3. Mutable - can add/remove elements

4. Heterogeneous elements allowed (int, Str., hipte but not mutuble type like list (dict inside a set).



Basic Operations.

Add Element

8.add (3) print (8) 11 & 1, 2, 34

2. Remove element

S. temove (2) #throws exception if not present. S. discard (4) # no error if not present.

3. Pop element (removes random element)

4. Clear Set

3. dear () - return you empty set (set())

Set Operations (Mathematical)

Python sets behaves like Math sets.

Print (A1B) # union
$$\rightarrow$$
 \$1,2,3,4,5,64
Print (A-B) # intersection

print (A - B) # Difference \$ 1,24

print (A ^ B) # Symmetric Difference

\$ 1,2,5,64

