Tuple

→ ( )

Immutable Data Structure

↳ (Not Change)

List	Tuple
Mutable	Immutable
[ ]	( )
Slower	faster → better performance
	(Real world
	use Case)

→ &}

Sets → Collection of unique

elements

Properties

1. unordered → do not maintain the
order of elements
2. mutable as they are
3. unindexed added.

4. Duplicates are not allowed

Aspect	Lists	Tuples	Sets
Mutability	Changeable	Unchangeable	Changeable
Indexing	Yes	Yes	No
Duplicate	Allowed	Allowed	Not allowed
Order	ordered	ordered	Unordered
Syntax	[ ]	( )	∝ ʃ

Dictionary $\longrightarrow$ { key : value } $\nearrow$ Customized index

(Hashing DS)

unique item

List , Tuple

$\hookrightarrow$ Default index (0,1, --- , n-1)

List[0] = 1

dict [key] = value

Keys in the dictionary $\longrightarrow$ immutable

Add new "key-value pair"

$\downarrow$

flexible/

gold it