**Python Data structures**

List**: [**behaves like an containers for item, can store string, tuple, Booleans, etc.

* It is mutable ]

Tuples: (This is same like list difference is it is immutable.)

Dictionaries: {It is one that stores{ keys : values }of the item }

Sets: {A set does not hold duplicate value and is like mathematical set, unordered and is mutable}

Strings: contagious set of characters put inside ‘this’ “and this”

**Operator/notation**

* /n = New line
* /e = Escape
* + = Add
* \* = Repeat or multiply
* [] = Slice
* [:] = Range slicing
* % = format
* %s, %d = string, decimal integer.
* R = reading only
* W = writing only
* R+ = reading + writing
* W+ =writing +reading
* .sort() = to sort the list
* .reverse() = to reverse the list
* .append() = to add into list
* .count() = number of objet in list
* .extend() = to extend the list
* .insert() = insert object in list
* .pop() = remove and returns last object in list
* .remove() = remove object from the list
* .lower() = sentence into lower case
* .upper() = into uppercase
* .join() = merge the sequence
* .Capitalize() = first letter capitalize
* .split() = split statement
* Len() = length of the list, tuple
* Max() = maximum value in list, tuple