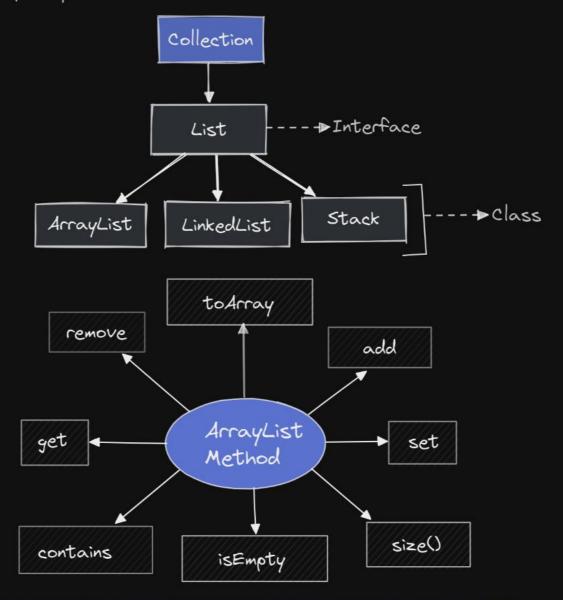
ArrayList Notes:-

- → Dynamic array is a random access, variable-size list data structure that allows elements to be added or removed.
- Unlike Array, ArrayList can automatically adjust its capacity when we add or remove element from it.



Method	ArrayList
Insert at last index	0(1)
Insert at given index	O(N)
Search by value	O(N)
Get by index	O(1)
Remove by index/Value	O(N)

The insertion and the removal of random elements has complexity O(n) while the access to random elements remains constant O(1).

Internally working of Arraylist

- \spadesuit Arraylist is internally is implemented by object array(object[]).
- when the initial capacity of object array is full, java create a new object[] array.
 With the size of two times of previous array.
- The copy the element from previous array to New Array.

