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Functions	Time Complexity
Constructor	O(1)
Destructor	O(n)
Bool isEmpty() const	O(1)
Bool isFull() const	O(1)
Int list_size() const	O(1)
Int max_size() const	O(1)
Void print()	O(n)
Void insert(elemType)	O(n)
Void remove(elemType)	O(n)
Bool isItemInList(elemType)	O(n)
elemType retrive_at(int)	O(n)
Void clear_list()	O(n)
operator=(Const ArrayList&)	O(n^2)

Source(s):
C++ constructor call default constructor

rand - C++ Reference

Sum from 1 to n