DATA STRUCTURES CHEAT SHEET

DATA STRUCTURES	AVERAGE TIME COMPLEXITY				WORST TIME COMPLEXITY			
	👁 ACCESS	🔍 SEARCH	→] INSERT	🗑 DELETE	👁 ACCESS	🔍 SEARCH	→] INSERT	🗑 DELETE
ARRAY	O(1)	O(N)	O(N)	O(N)	O(1)	O(N)	O(N)	O(N)
DYNAMIC ARRAY	O(1)	O(N)	O(N)	O(N)	O(1)	O(N)	O(N)	O(N)
LINKED LIST	O(N)	O(N)	O(1)	O(1)	O(N)	O(N)	O(1)	O(1)
DOUBLE LINKED LIST	O(N)	O(N)	O(1)	O(1)	O(N)	O(N)	O(1)	O(1)
SKIP LIST	O(LOGN)	O(LOGN)	O(LOGN)	O(LOGN)	O(N)	O(N)	O(N)	O(N)
STACK	O(N)	O(N)	O(1)	O(1)	O(N)	O(N)	O(1)	O(1)
QUEUE	O(N)	O(N)	O(1)	O(1)	O(N)	O(N)	O(1)	O(1)
HASH TABLE	O(1)	O(1)	O(1)	O(1)	O(N)	O(N)	O(N)	O(N)
BINARY SEARCH TREE	O(LOGN)	O(LOGN)	O(LOGN)	O(LOGN)	O(N)	O(N)	O(N)	O(N)
BALANCED BST	O(LOGN)	O(LOGN)	O(LOGN)	O(LOGN)	O(LOGN)	O(LOGN)	O(LOGN)	O(LOGN)
B-TREE	O(LOGN)	O(LOGN)	O(LOGN)	O(LOGN)	O(LOGN)	O(LOGN)	O(LOGN)	O(LOGN)
BINARY HEAP	O(N)	O(N)	O(LOGN)	O(LOGN)	O(1)	O(N)	O(LOGN)	O(LOGN)
BINOMIAL HEAP	O(N)	O(N)	O(1)	O(LOGN)	O(N)	O(N)	O(LOGN)	O(LOGN)
FIBONACCI HEAP	O(N)	O(N)	O(1)	O(LOGN)	O(1)	O(N)	O(1)	O(N)

BY @FRANC0FERNAND0