



















Map Imple	ementa	tions		
Data Structure	Search	Insert	Delete	Space
Linked List	O(n)	O(1)	O(n)	O(n)
Sorted Array	O(log ₂ n)	O(n)	O(n)	O(n)
Balanced BST	O(log ₂ n)	O(log ₂ n)	O(log ₂ n)	O(n)
array[KeyRange]	O(1)	O(1)	O(1)	O(KeyRange)
n = number of eleme Sorted array and bal Last implementation	ents in map anced BST re requires key	equire comp s that can b	oarable keys e used as arr	ay subscripts















