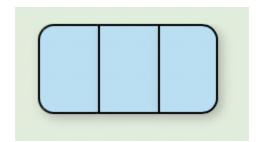
More Structures

O Created	@January 23, 2025 9:20 AM
	DS 4300

B+ Trees

- · optimized for disk based indexing, minimizes disk access
- is an m-way tree with order M
 - M represents the maximum number of keys in each node
 - ∘ Max kids \rightarrow M + 1
- node structure: m = 3



- 1st: <a
- o 2nd: ≥ a, <b
- o 3rd: > b, <c
- o 4th: ≥ c
- Properties
 - all nodes (except the root) must be half full minimally
 - root node does not have to half full
 - insertions are always done at leaf level

• leaves are stored as a double linked list (DLL)

More Structures 2