Introduction to Linked Lists Linked lists are similar to arrays (Linear data Structures) 7 10 11 12 18 22 In Arrays clements are Stored in Configuous memory locations
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7 10 11 12 18 22 => In Arrays elements are Stored in Configuous memory locations
Contiguous memory locations
7 -> 10 -> 11 -> NULL -> In linked lists, cleme
data Pointer to next element are stored in non conti
memory locations
sequence of nodes, where each node contains data and a reference (or link) to the next node in the se
Why Linked Lists?
Memory and the capacity of an array rumains fixed.
In case of linked lists, we can keep adding and
Memory and the capacity of an array rumains fixed. In case of linked lists, we can keep adding and removing elements without any capacity constraints
Drawbacks of Linked lists
→ Extra memory Space for pointers is required (for every node 1 pointers)).
Implementation Linked list can be implemented using a Structure in Clanguage
Struct Node &
int data:
Struct Node * next; => Self refrencing Structure
3;