Interduction to Oneve Data Structure: >>
Emoval

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Empty Oneve:

front = rear = -1.

Sirole Elment: f = r = 0. Removal Frod In First Out Data Dencture Removal of elements > 2,3,6,4,1 It can also be called Last In Last Out.

\* Addition is always at the real Expensed deletion 90 at the front. \* BFS Traversal Algorithms > Quene Level Order Traversal Introduction to Linked Lists & These data structures have entity called nodes connected to ea Each node has data associated with the node and the address of the next/grevioue) nodes défen type of linked list. 2 woode Chrome Real life examples: 1) Web Browsers Back | Count | Forward spotify (2) Music Playlist << < (P) > >> Based on Traversalo Singly Livked List -> tooward 2) Doubly linked tiet - Both way! 3 Circhler linked list -) Depende SUL Pata New -1) -> 1) tol 3-7 classNode i, c, s, b data; Node\* vent; cless Node S int data; Node \* next. Difference b/w dray & Linked lists Linked List Array (Access) (1) -> (2) -> NUM 1) Search Operation 1 Search Steration 3rd node 5th Element :  $O(n) \rightarrow we$  $ar \left( 4 \rightarrow 0(1) \right)$ index based seuch traverse all the element 3 (1) Insortion -> 384 ets 11) Insertion iment 3 at index 2 QXX3)null 123 Shift Q(n) \* Important Questions & fuctions: Insert at head areate by D Trusent at tail new Node Ly Point List Elements ();