| •    |   |
|------|---|
|      | Doubly Linked List board refrance   |
| ne   |   |
| 19.  | In a doubly linked list, each node Contains a data jart along with the two addresses, one for the previous node and the other one for the next node |
|      | prev data next prev data next prev data next  7 - 21 - 8 - NULL   |
| humi | Implementation  A doubly linked list can be implemented in C language  as follows:  |
|      |   |
|      | int data:   |
| 1.43 | Struct Node * next; Struct Node * prev;   |
|      | Ohera bare as a Double linkel list  |
|      | The insertion and deletion on a Doubly linked list  |
|      | Can be performed by sewering pointes connections<br>just like we saw in a singly linked list  |
|      | The difference here lies in the fact that we need to sodjust two pointers (prev & next) instead of one (next) in the sase of a Doubly linked list.  |
| -    | Two way tarversal  insertion and deletion at known index is o(1)  |
|      |   |