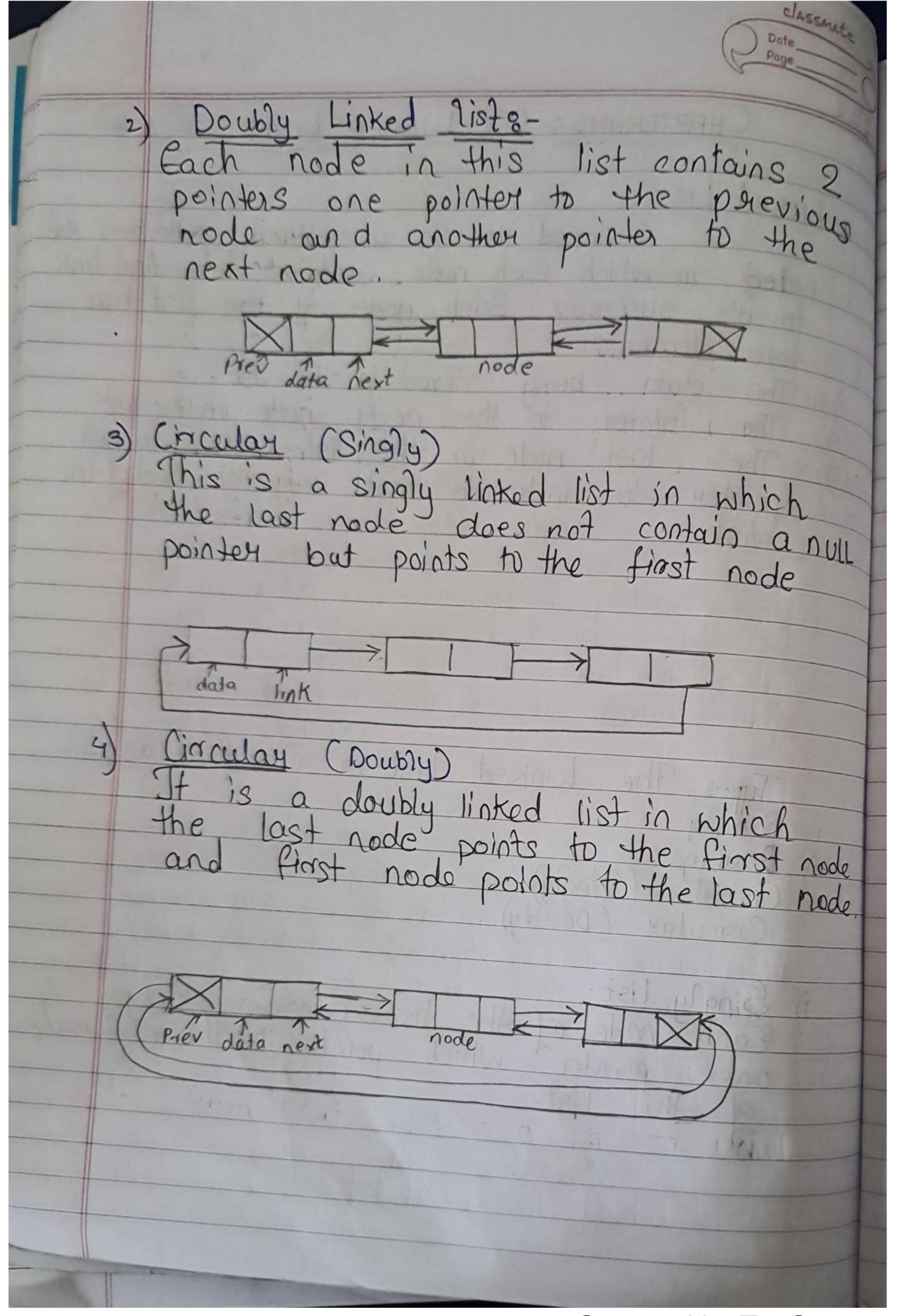
classmate CHAPTERNNO: 02 LINKED LIST & Linked List. A linked list is a ordered collection of nated in which each node contains data And link to it's sucessor. Each node of the list has two elements. The data being stored in the list. The Pointer to the next node in the list The last node in the list contain a null pointer to indecate that it is the end of the list. Types. The Linked List is classified as o-Singly

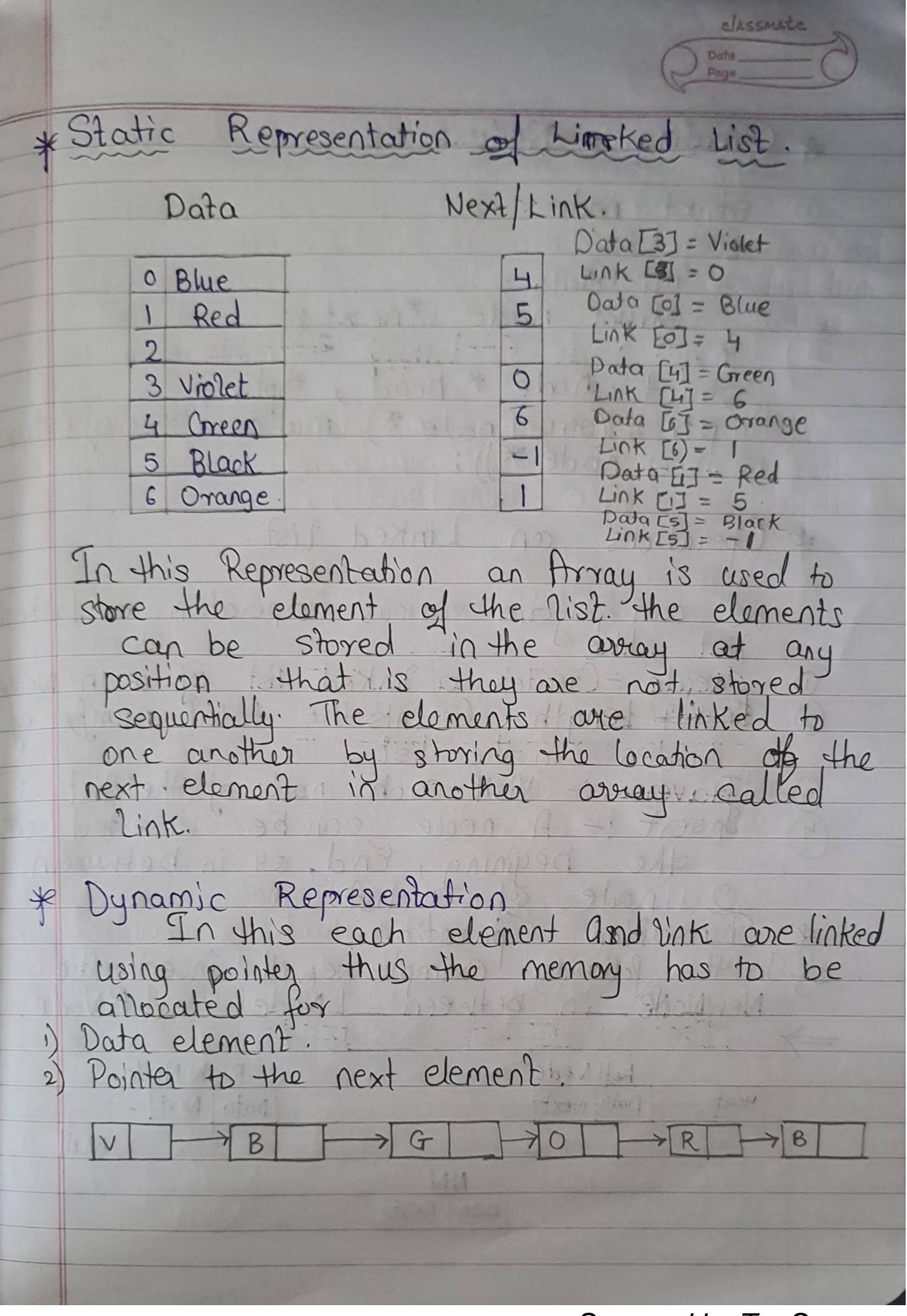
2) Boubly

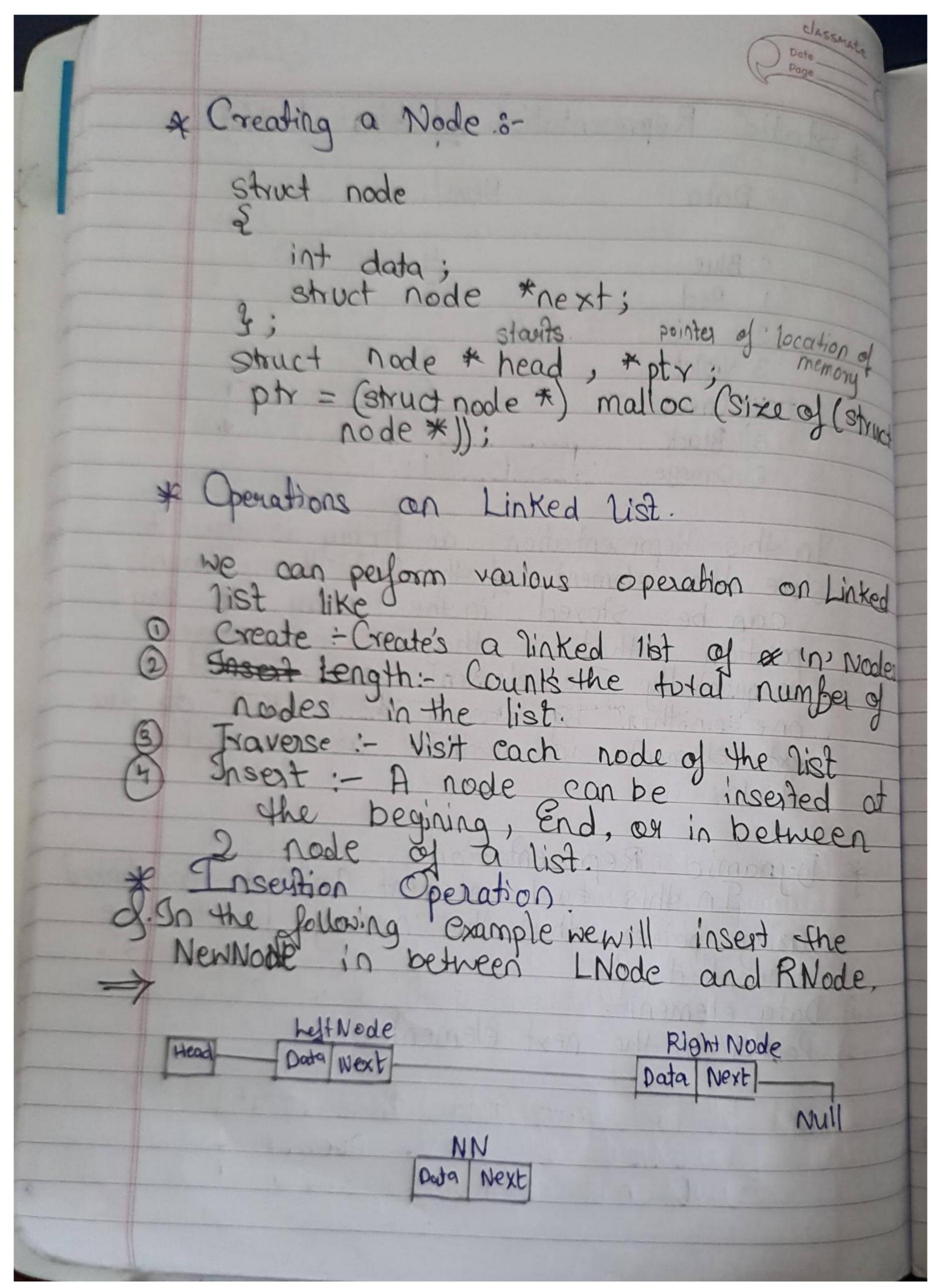
3) Circular (Singly).

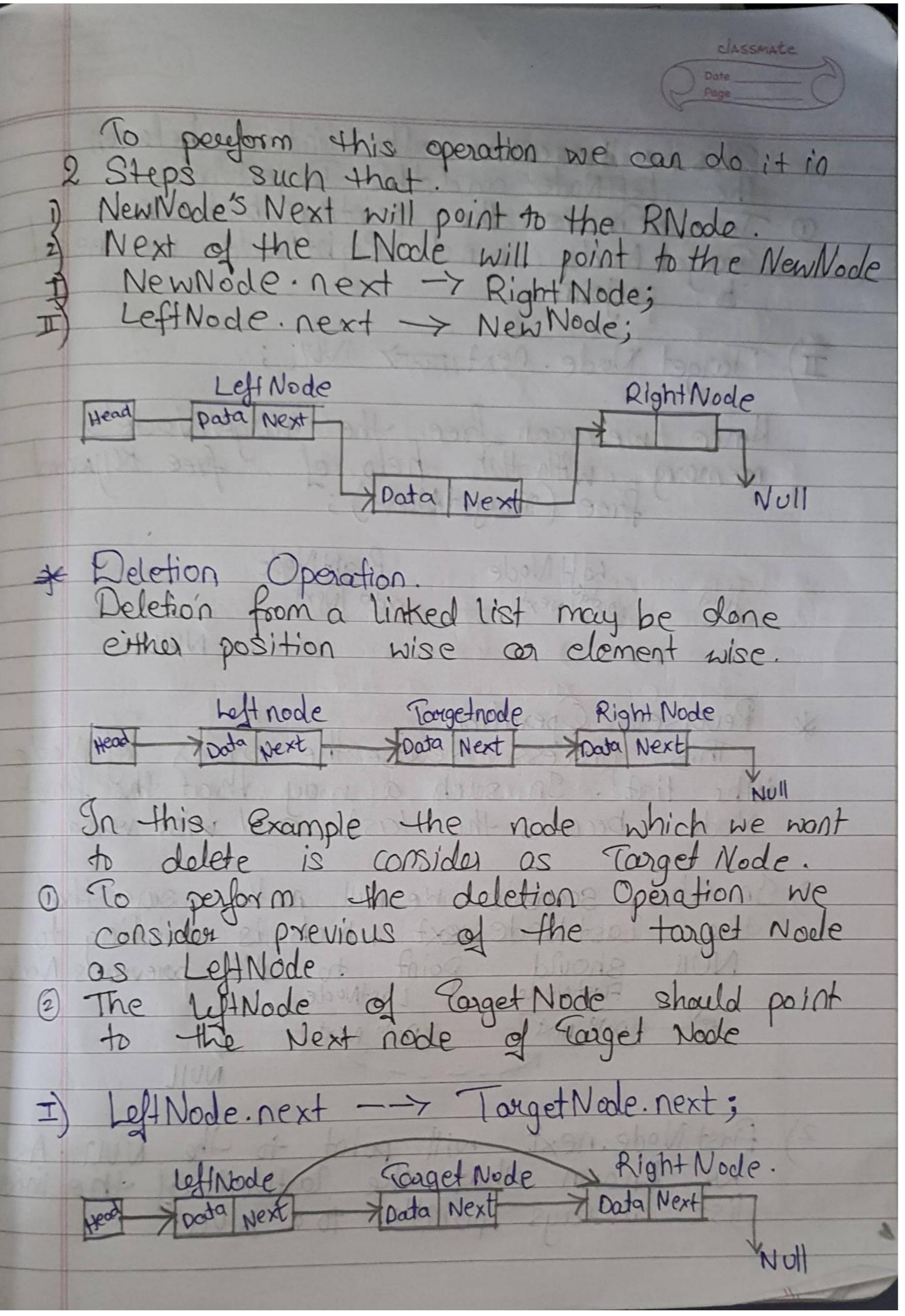
Circular (Doubly). Each node of the list contains only one pointer which points to the next node of the list.

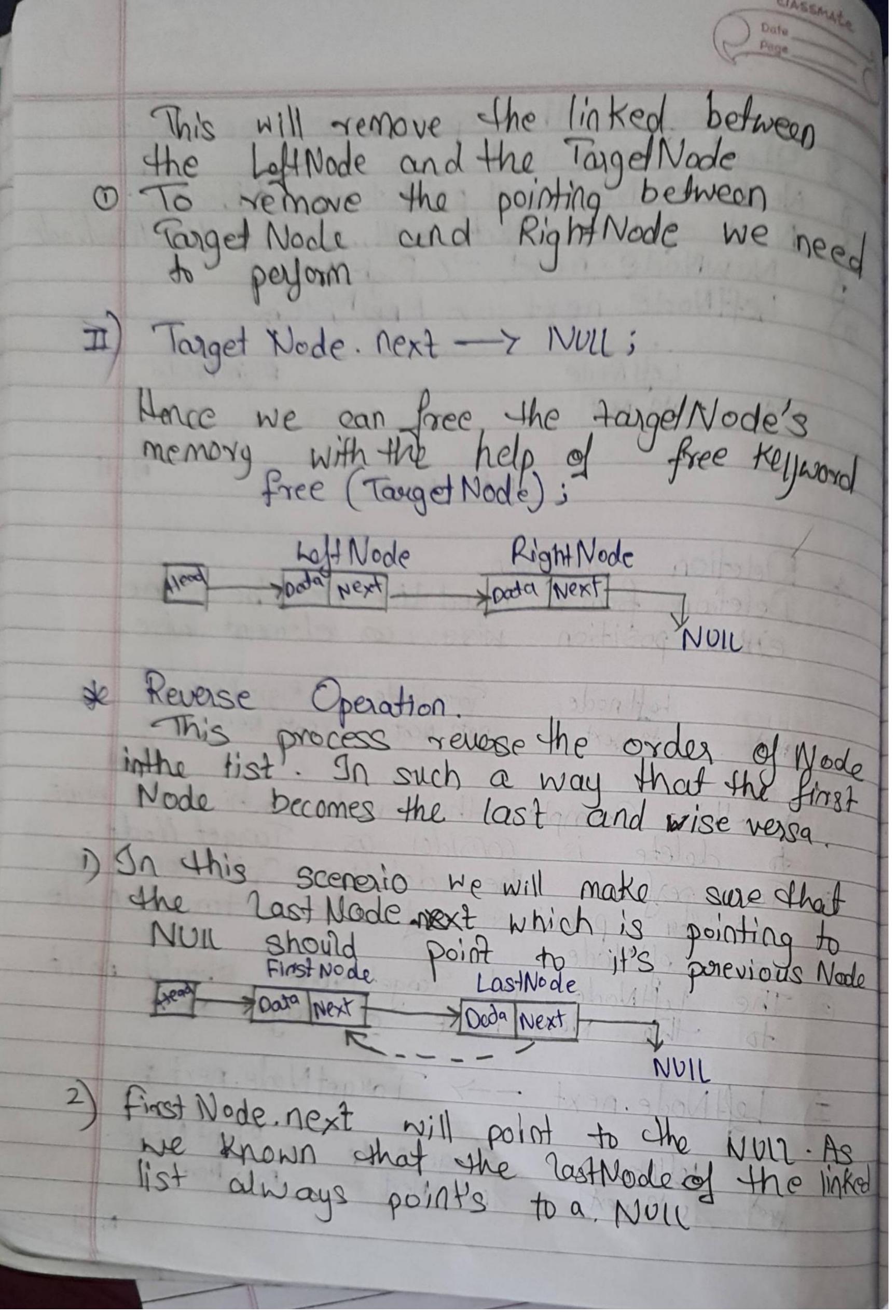


Scanned by TapScanner

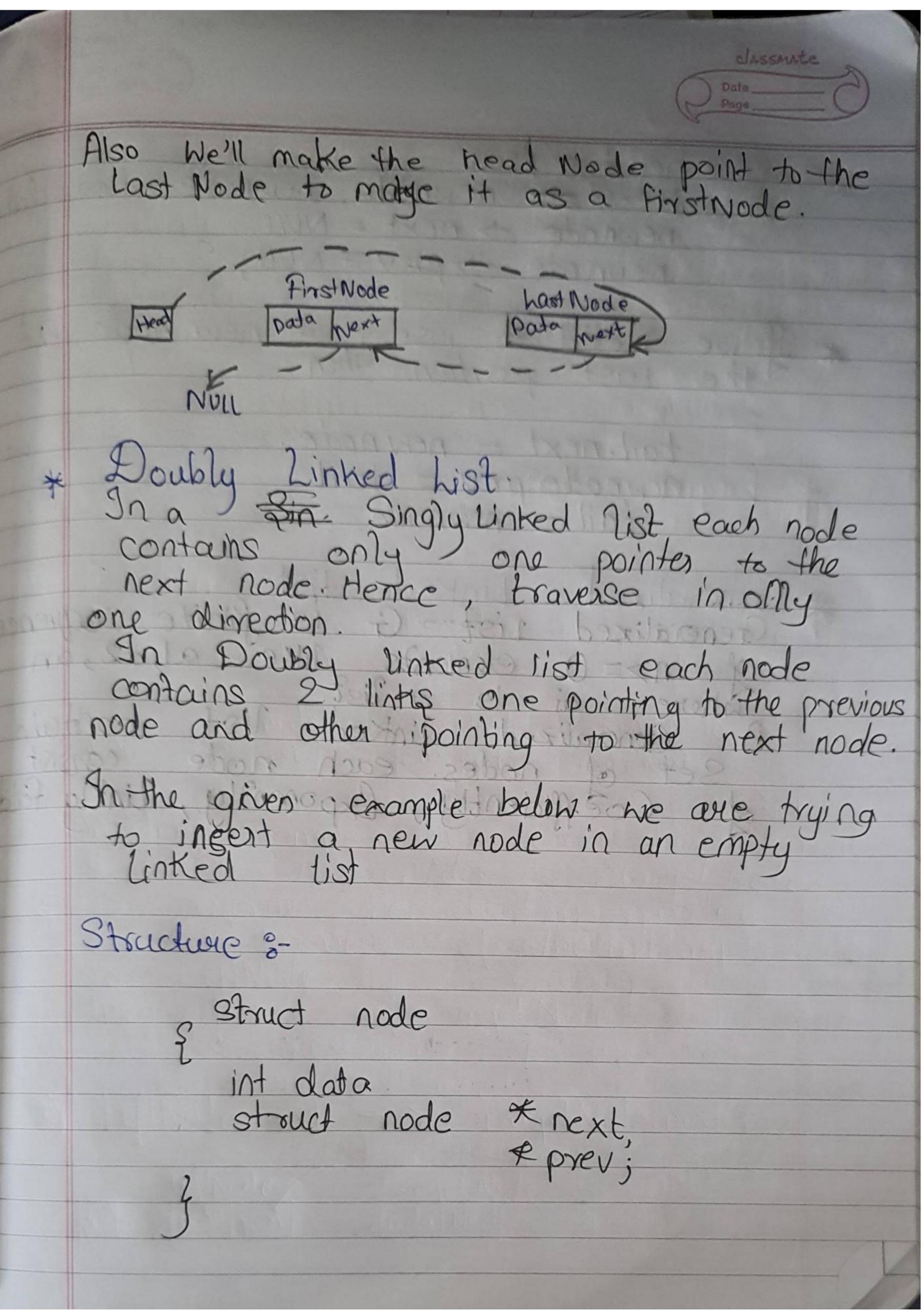








Scanned by TapScanner



head => newnode, newnode >data=dat newnode -> next = NULL, newnode -> prev = NULL, If we need to insert a new node out the Last position. Then tail next = new node. newnode prev = tail tail = newnode. Generalized Linked list Generalized List G is finite sequence of n>=0 elements like al, a2, an a list. Generalized linked list tool nodes each mode Coefficiently, Exponently,

CHAPTER NO: 03. INTRODUCTION To A Graph (G) is a collection of 2 sets

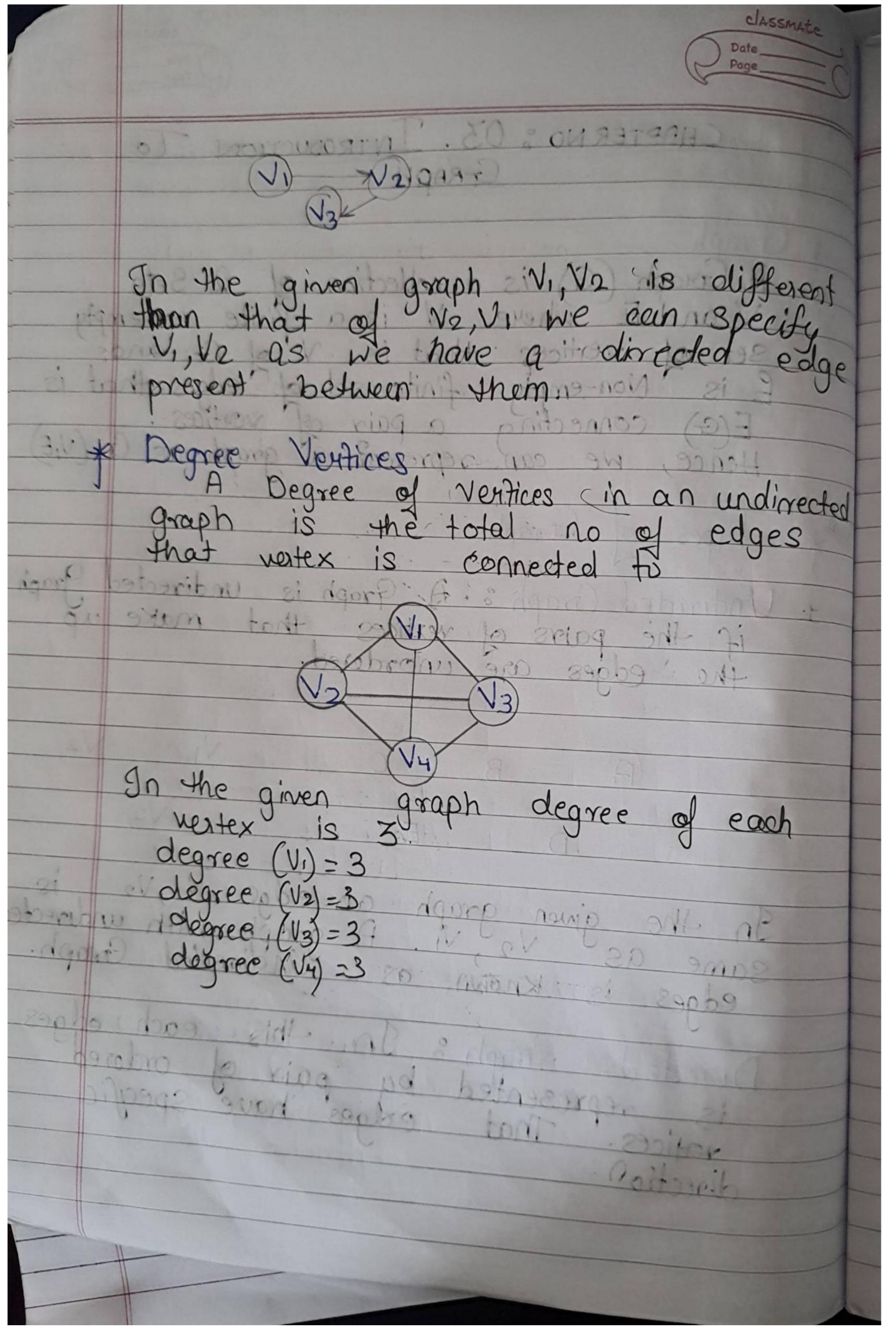
Vand E where V is a Pinite non-empty

Set of vertices that is V of G and

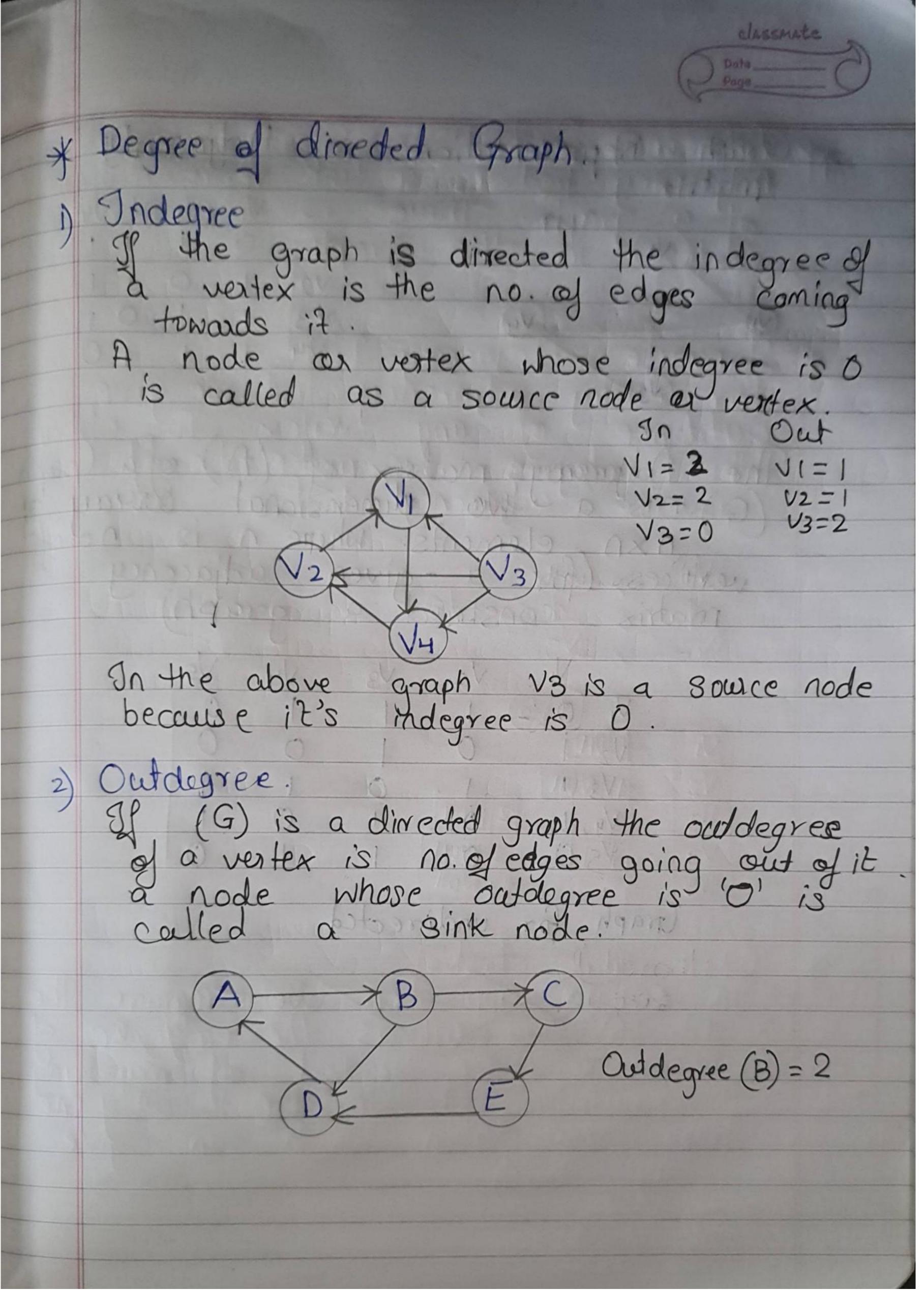
E is Non-empty finite set of edges that is

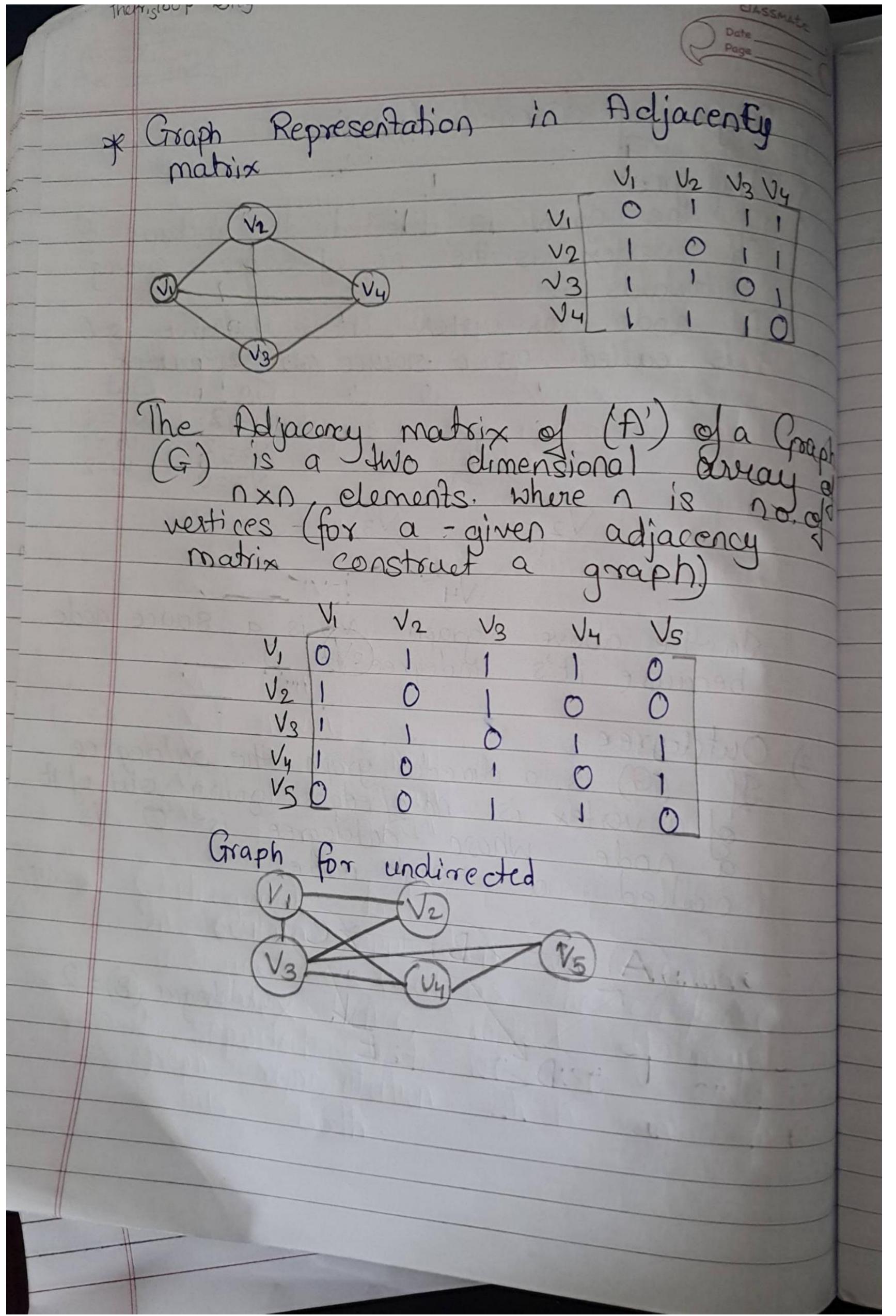
E(G) connecting a pair of vertices.

Hence, we can represent a graph as G-(VIE) I Undirected Graph: A Graph is undirected graph if the pairs of vertices that make up the edges are unordered. In the given graph an edge VI, V2 is same as V2, VI. A graph with undirected edges is known as Undirected Graph. Directed Graph & In this each edges is represented by pair of ordered votices. That edges have specific

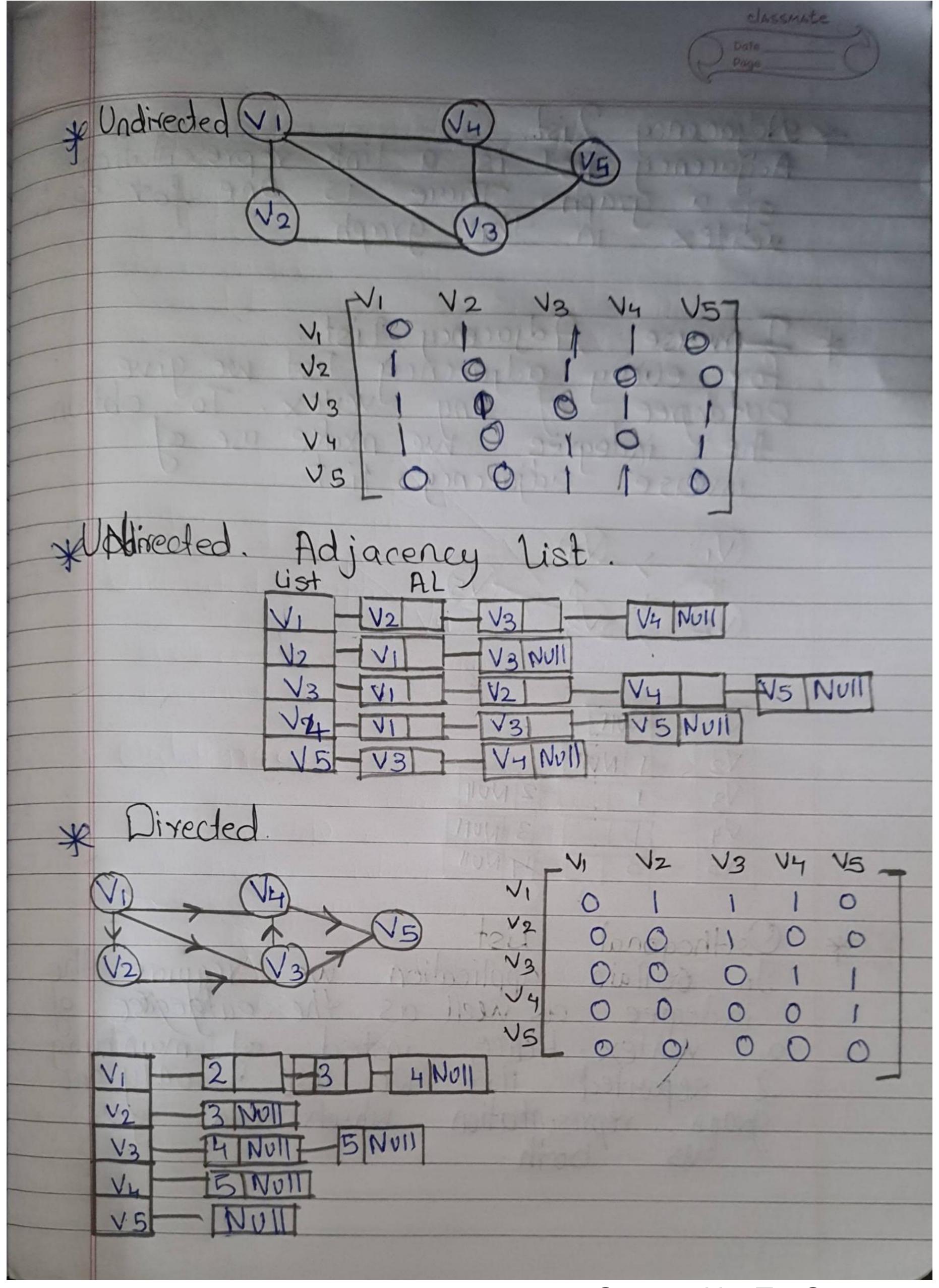


Scanned by TapScanner

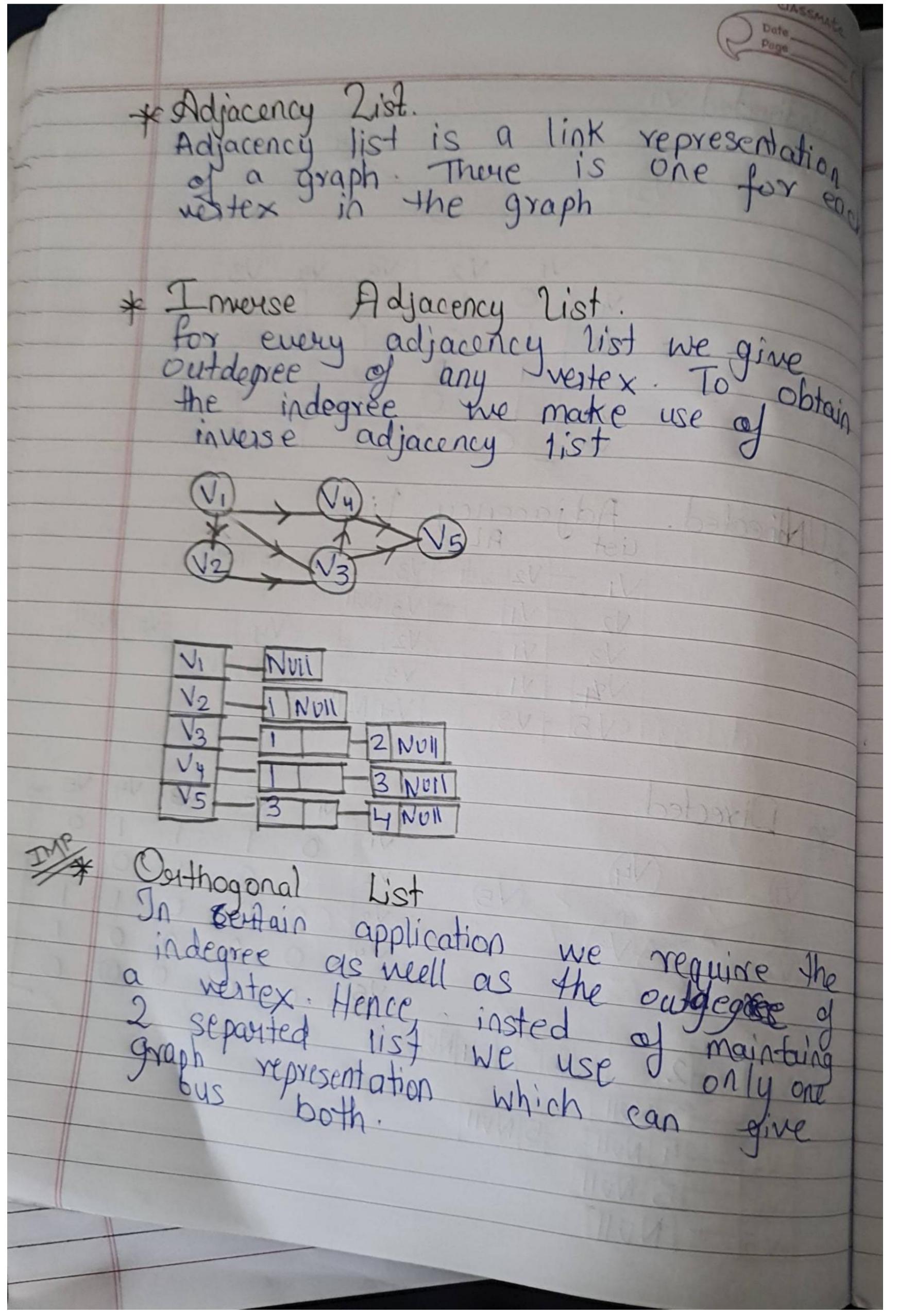




Scanned by TapScanner



Scanned by TapScanner



Scanned by TapScanner

