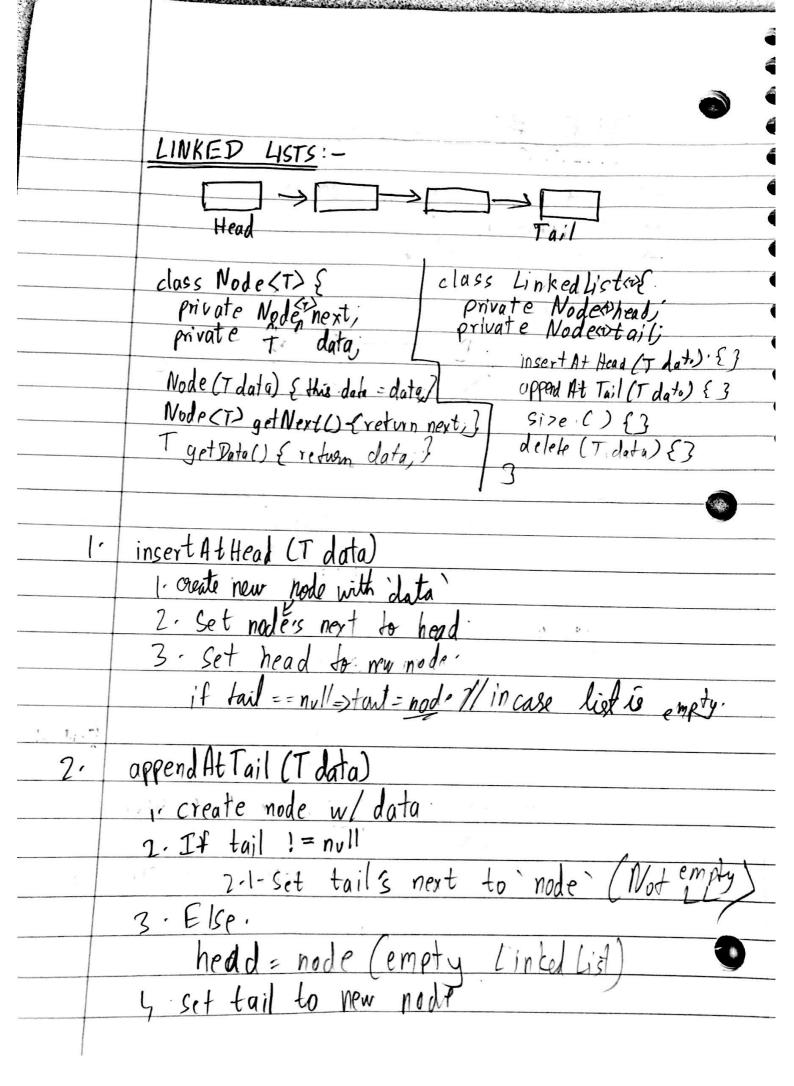
MODULE #9 Graphs
 Nodes & edges that join nodes: Nodes are objects. Edges connect nodes. Directed graph: edges are amours.
-> Directed graph: edges are amouns.
Nodo edge > Noda
Ely - Moder
Trees: Dinary Trees: Dinary Trees: Tree of atmost 2 edges from any nodo.
class Node (T) { T data; Cot (Node (T)) and long
Set < Node (T) neighbour; Node (T data) { this data = data;} void add Neighbor (Node (T) node) { }. void remove Neighbor (Node (T) node) { }.
Arroylist (Node(T)) get ShortestPolkTo (Node <t>n) {]. Set (Node(T)) get Neighbors(int radius) {] Static Set (Set (Node))</t>
get Cliques (Set (NodA) graph) {3



3. size() {	/
if head == null 7 ??	7
return 0	
int n = 0,	
Node (T) node = head.	* *
while (node ! = noll) {	
n++·	
node = node next;	
3 .	
return n;	,
}.	
4. delete (T data) {	157 . 170 1121
if (head == null)	Empty
return	
else if (head = = tailed head-getPah	
head = not!	Size = 1 head = tan
tail = noll	& data is in
	Mad .
else if (head get Dota () equals (date)	// deletiat head.
head = head next	
elsp.	General vanilly cars.