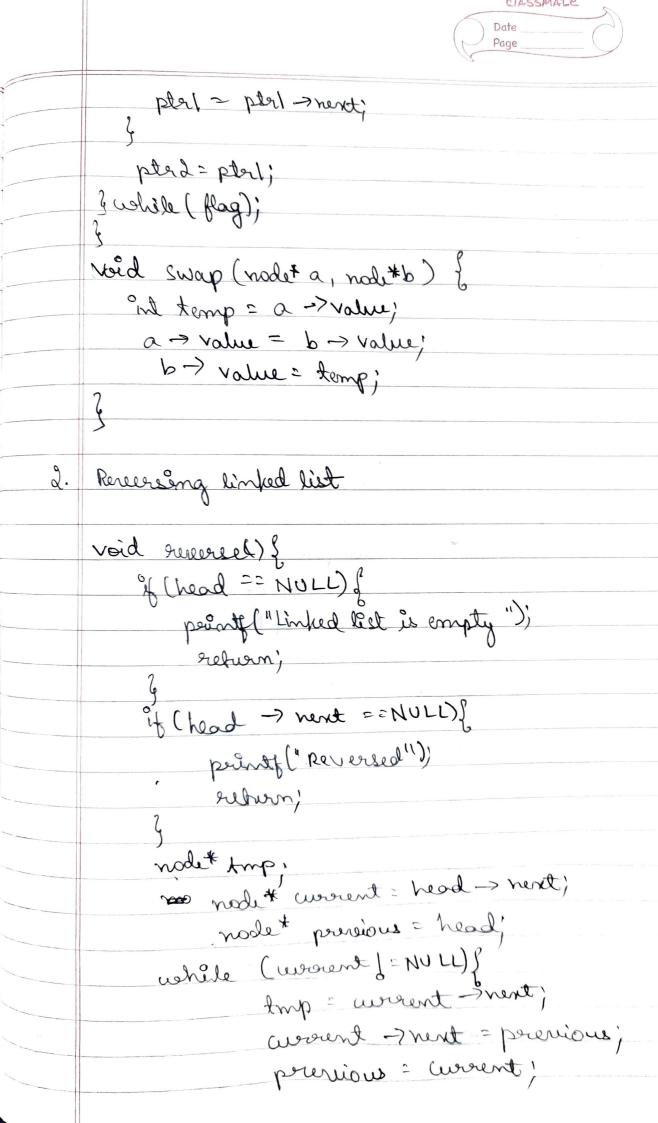
	Vallisha.m, 18m19(S177, 7-12-2020
1.	Sorting Linked List
	J (trate # show) trees biov
	int flag , ?;
	node * ptrlj
	node * pterd;
	ptod = NULL)
	if (start == NULL)
-	do
	flog =0;
	pte1=stast;
	,
	(bretq = { breve (1stq) elister)
	Swap (ptr/ptr/ > next)
	Swap (ptr/ptr/ > nent)
	& flag = L'
The parameter of the pa	



aurent = top; head -> next = NULL; head: prerious; & paients ("Reversed"); seturn; 3. Mergeng in assending order Recursive implementation / called inthally as merge (head I, head 2, head 3) I head & head & are head pointer to bus linked list Thead 3 is pohead pointer of merged list I alternatively merge can be called as I merge (head , head d, NULL); menge (nodek were), mo nodek werd, node * prese) int flag! = (werd == NULL); int flag 3 = (werd == NULL); ? (flag! & & flag 3) return; node * neueNode = (node*) malloc(sézere/node) new Node -> next = NULL; } (preve == NULL)} I Steadprie miliable !! [(Iban) leas to 1 tead no metiropla 11/6 board 1

head3 = new Node; int flogd=1, flog4=1;

if (I flog 1 & & I flog 3) // both wealt was dust mill

flog 2 = weer 1 > value >= cuer 2 > value; ? f (flag 1) flag 4 =0; If (flog 3) flagd 20; of (tog 1 11 flag 2) } sular - Levers = sular - short wer 'toren - brew - brews, else if (flag3 1/flag4) {
newNode -> value - awa1 -> value; foren = locus = locus 84 (pour & NULL) ; elso Neuer = herst = neuer pour = neus Node; (levied, brews) sprem!

Eurocent = top ? head -> next = MULL; head: poverious; & point ("Rerevised"); seturn 3. Mergeng in ascending order Recursive implementation / called inthally as merge (head I, headd, head 3) I head I head I are head pointer to find linked list Thead 3 is phead pointer of merged but Malternatively merge can be called as I merge (head , head d, NULL); merge (node* curr), mo node* curry, node * povere) flag 3 = (ward == NULL); flag 3 = (ward == NULL); 96 (flag! & & flags) return; (node*) mallor (size of (node)) rode * neur Node = new Node -> next = HULL; ((prere == NULL) } Desgrai milisopo III bosh ses se Sort Chead Dill algoritm in past 1

Implementing & stack with linked list Jewor tris deug bier node* pto = (node*) molloc (size of (node)) pta - val = value; " [head = = NULL) { head = ptr; head -> next = NVLL; pta > next = . 4. Implementing a stock with linear linked Center this deed book node * pter = (node *) malloc (size of (node)) ptr -> value = valuej pter > next = head; head - ptr; Void pop() {
if(head==NULL) { ("ytyms as teil") fthoog. menter

node & top: * head - next; free (head)i head = tmp; Implementing a Queue with a Linked List void enqueue (int input) node* ptr: (node*) mallac (sized (node)); pter -> next = NULL) ple -> value = input; of (front = 2 NULL & & sear = NULL) fevent = rear = ptr; else {
pter -> next = front;
front = pter;
} Ford dequeux () { if (front == NULL & & rear == NULL){

peint [" Krok, Queue es emply"); selven)

Efferent > new == NULL) free (front); front = seas = NULL; i menters of node * pter = front; while (pto -> next) -> next [=NULL) pte : pte - next! free (pta -> next); pla -> next = NULL; IF or all the above furnitions, to display De void display (node *head) ? (head == NULD) printf ("Linked List empty"); pointy [" Linked list contains : "); node * top = head; Capier | dut / spiges perint ["ofod", top > value); Imp = try - nent;

