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11-1-1-21	
14/12/2020	LAB-8: Double Linked List Implementation
Q·	WAP Implement doubly linked list with primitive operation
	1 1.1/1 1.7600 1184
131	Theory a roll Month to the left of
(1)	Delete the node based on a specific value
(1)	Display the contents of the list.
A	struct node
·	§
	Struct woode * prev;
	•
	int data; sbruet node *neut;
	3
	void delete ()}
	douct node * ptr , struct node *temp;
	int val;
	printf(" Enter the value:");
	scanf ("Tod", & val);
	temp=head:
	while (temp -> data 1= val)
	temp = temp -> neut;
	if (temp -> next == NULL)
	printf(" (annot be deleted");
	else if temp -> nent -> next == Null)
	tenue -> next = NUI;
	printf(" Last Node Deleted);
	else (
	9
	ptr =temp > next;
	'\/

JOHNSON JOEL NINAN 1BM19C3199 ptr -> nent -> prev = temp; print (" Node Deleted "); display () } nude *pto = head; printf(" In In LIST -> "); printfu to Tod", pto -> data); Create-list (gruch node *pla; int i, n, new-data; print (" Entex the no. of nodes); scarf (uotoda, en); head = (struct node *) malloc (size of (struct node)); if (head I = NULL)

JOEL NINAN JOHNSON 1BM19CS199 printf(a Eleter value for Node 1:"); Sounfla Red", & new-data); head -> data = new_data; head - new- = NULL; Kendera last = head; for (i=2; i<=n; i++) pr= (struct-nede *) mallor (eiged (structif (ptr 1= NULL) printfa Enter value for Node ?d:" scanf ("Tod", knew-data); ptr -> data = new data; ptr -> prev = last? ptr -> next = Nul; last > next = por; 3 print the Linked List (realed?) else Mintf(" & Nodes settled ");

JOEL NINAN JOHNSON 1BM19cs199 14/12/2020 wid insext () } int is position, new-data; 8 Struct node *ptr, * temp; if (head = = NULL) point " List is Empty "); else temp=heard; i=1; while (i < position -1 del temp!=NULL) temp= temp- next; if (position == 1) pto -> data = data new data? ptr -> next = head; plr -> prex = Nul; head - prev = po; head = ptr; else if (temp = = last) pto -> data = new_data; ptx -> nent = NUL; ptr - prev = last; last -> neut = ptr; bust = ptr;