LAB - 9 - Double Linked list implementation. Struck node Shuret node * perer; int data; Stunct node + next. void delete () of Stunet node *ptr, stunet node * Lemp. int val. Durnif (" Enlis the value : "). Scant (" yd " , 4 val 1. temp = bead while (temp - data ! = val) temp = temp - nex! if (temp + temp + next } NULL) Parin'f (" connot be deteled"). else if (temp and and == NULL) temp > next = NUL! print (" lost Node Deldid). chie Pla = temp = next. temp - next = plan - next. pla - neal - peur = temp; fun (p(r) Pein' (" Node Polded").

void display() (Stunet node *ptr = head; if (pla=head) Duintf (" Empty list "); ~ pering (10 |n |n LIST -11) while (pto ! = NULL) Peintf ("It yad", Pla - dala). Je = pro -> Mext. cuali- List() of void Stewet node + pto: it int i, n, new dola. Juin' (" Entis the no of nody"). Scant (" /d", 4h). if (n >= 1) head: (struct node +) melloc (83e9 (struct mode)); of (head 1: NULL) Printf (" Entis Value of for Node 1: "1: Scot (61 Scanf ("1.d", 4 new-dota);

void insert(){ int i, position, new-data Stunct node +pt , + temp; if (head = = NULL) Paint (" list is Empty 1). esc temp : head : 1=1. while (ic position -1 At temp 1: NULL) temp = temp + next . if C position = = 1) Ptr ->datas new-data; por - next: head. 76 -> prev = NULL; bead => prev = phr; head = pho. else if (temps: (as 1) pho - s data + new-data; Poto -nest : NULL; Pla + preve last; (at medt: ptr; Lest = ph;

eise if comp! = NULL per solute: new-data; por - poer = temp + next; if (temps next) = wull) temp or over 1 prev = pla; temp = next= ph, cle Printf (" Invaded pos " 1,