classmate WEEK-7 11 Doubler Linked List Hinclude Sofdio. hs #include sotalib. hs Henrit mode int data; Sternet node * prese; struct node "next; 2 + first = NULLi void create (Ent a [], int w) Struct node *+ + last; inti. first = (struct node *) malloc (size of (struct node)) first > data = a (0) first > pare = first > next = NULL; last = first ; for lint i=1; i(n; i++) t=(struct mode *) mallor (straig (struct mode)) t->data=a[i] t-> prev= = last, t->next=last -> next) last > next=ti last=tj Foid desplay (struct node * p) whele (p1 = NULL)

print ("% d\t", p-> data);

γ= p-> rext;

γ reoid insertleft (int and, int pos) 5 stemet node *t , * pt;

t = (struit node *) malloc (scala) (struct node)); int i, loc; Just to shar trade print (" overflow ") oretron; t -> data=val; cq (loc == 1) t > prev = NULL; t->next-first/ if (first | = NULL) else g. pta=first; for (°=0; °< loc - 2; °++) pter = pta -> next;

classmate printf ("cant Enseat"); Retnoun; t > next = pr -> next; t -> prere = pter; ef (pla > next!=NUZL) pte > next -> preve = t) per->next=t) perint (" nude incerted") noid delersable (int real) stanct node * pt; int realul; Volue = real; pta = first hopile (ptr 1 = NULL) if cpte > data = = value) if (ple -> page) = NULL) ptr > pre12. > next = ptr > next; if (ptr -> next 1 = NOLL) per = next -> pred = per > pred)

ef (ph = = fisst) ?

first = ptr > next) perint of ("realne / d ddefed", realne); perint (" realne % d not found", realne); resid main () 2. ent a [10], nj int real, key, loci perint (" sead n") scanf ("7.d", &n)" for lint i=0; icn; i++){ scary (11 % d1), & a [13); me create (a, n), display (first)) perinty " entre. the dealer to be inserted "); 3comf (11 % d 1) & real); print l'enter the lor to be inserted at: ") Scomp (17% d 11, 2 loc) insetteft (real, loc) display (first); perint " enter the key element to be deleted") scarnf (11% d11, 2 key) display tireti

classmate Lectood 3. 11-Split ala head n : 5) And of the state o enter the realises: 10 20 30 40 50 10 20 30 40 50 enter the gealine to be inserted 9 enter the loc to be inserted at : 2 node inserted 10 9 20 30 20 50 enter the key element to be deleted 40 value 40 deleted 10 9 20 30 50 tance placeta stead disturble ** a - (chard distribute **) Struct Licenside of otal = NICH! 3011U1 = 11049)