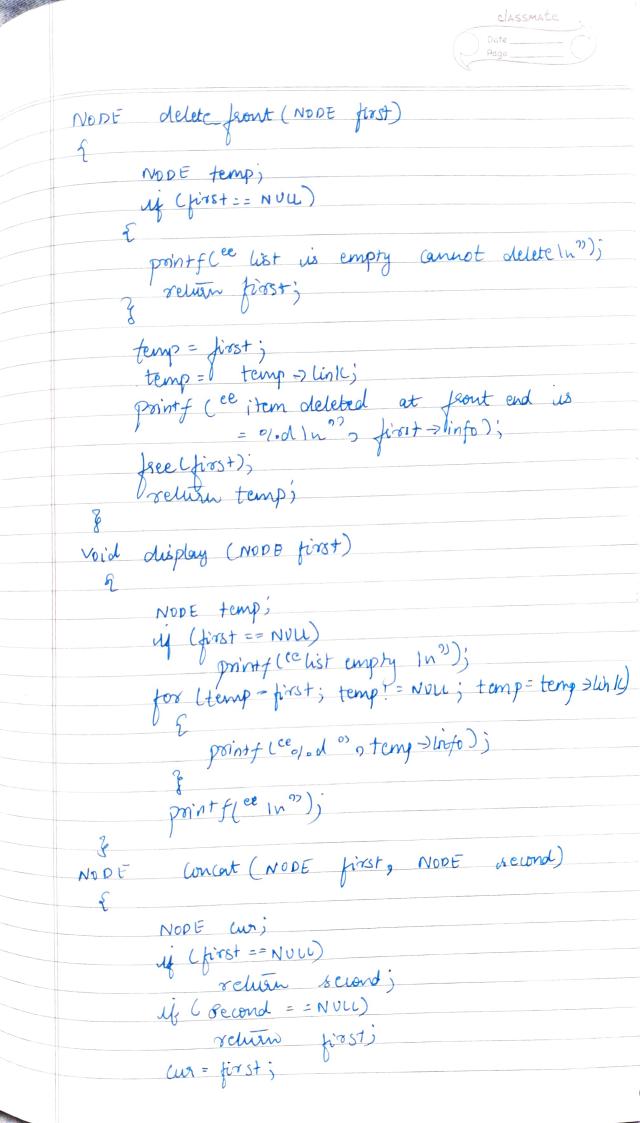
CLASSMAte Lab proxam (Concorte, reverse, goot) #include (stadio.h) #include < como.h> #include LStollib. h> #include processh7 Struct hode unt infoj Struct node * Wink; typolef Struct node *NODE; NO DE getnode() NOPE X; X = (NODE) mallo (suzer of (872 th hode)); y (x = = NOW) printf(ee full lu?); NODE insert-rear (NODE first, int NODE temp, luis temp = get node (); temp sinfo = item; temp > link = NVIL; uf (first == NUU) return temp; Cur = first; white (aux > link ! = NULL) Cur = Cur > link; Cus > link = temp; relium first;



while (ma > link! = NOU) Cur= Cur->link) Cur - line: second; selurn first; NODE roverse (NODE first) NOOF au temp; cus = NULL'S while (first! = NULL) temp = first :) tung -> link = luns ochum aus; NOPE Months (NOPE piest) { NODE Current = first, index = NULL) unt temps y (first = = NULL){ proint f (ec list vi compty. "); else [while (Current 1 = NUL) { under = Current > link; while (index) = NULLE of (aurent >info > index >info & temp = (ment -zinfo) Current >info = index >info undex -> in fo = temp) undex = todex > link; = Current > link;

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classmate int marin () unt item, choice, pos sign) NODE first = NULL, as it; for (ii) Printf (ec 1. insert front 2. Concat 3. vereuse 4. order list 5. display 6. delete kont printf (ec Enter the Univer); 7.exit In?); Scanflood ? of choice); Switch (Choice) Case 1: pointf (ce cutes the item: "). scanf (ee of od on , fitem); first = insert rear (first , i tem); 1) Aseak; 2: printf (ec Enter the no of nodes in the list: ") scanf (ce o/od", In); a = Nulis for (1=0; i(n; i++) pointf (" Enter the item: "); Scanf (ee of od " of item) a : insert reas (a sitem); hirst = concat (first, a); display (first); break; Case 3: pirst = reverse (first); display (first); break; 4: sort list (first) display (first); be call ;

Gase 5: display (first);

Areal(;
Case 6: first = delete - front (first);

Areal(;
Acfault: exit(0);
}

relun 0;