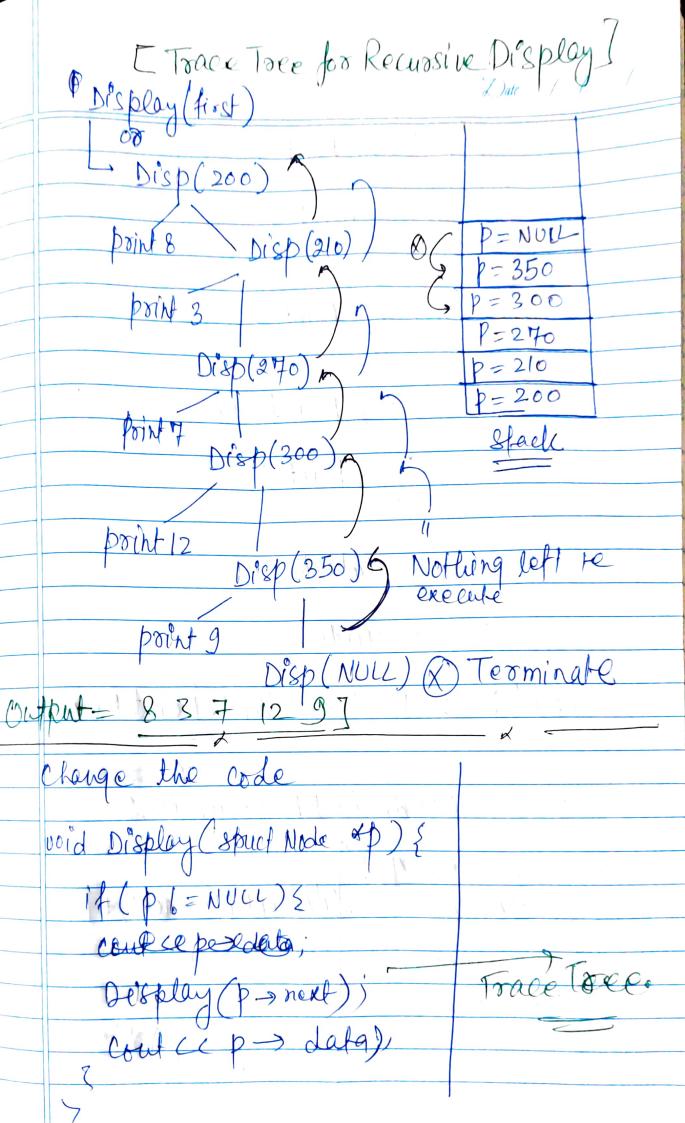
Date LINKLIST Display Link dist:= (Link List -> LL)

Abbreviation. Head ferst 200 210 270 210 200 Keep inese menting Stouct Nod #p = Head Node * p. Until reach while (P 1= NUL) { NO HOLDEN cout CCp - data; p = p -> next; Recuosive Display LL: void Display (Starct Node) > condition to go on if (p) = NULL) & Display mac Tall cont 4 p > data, Diplay (b > rext);



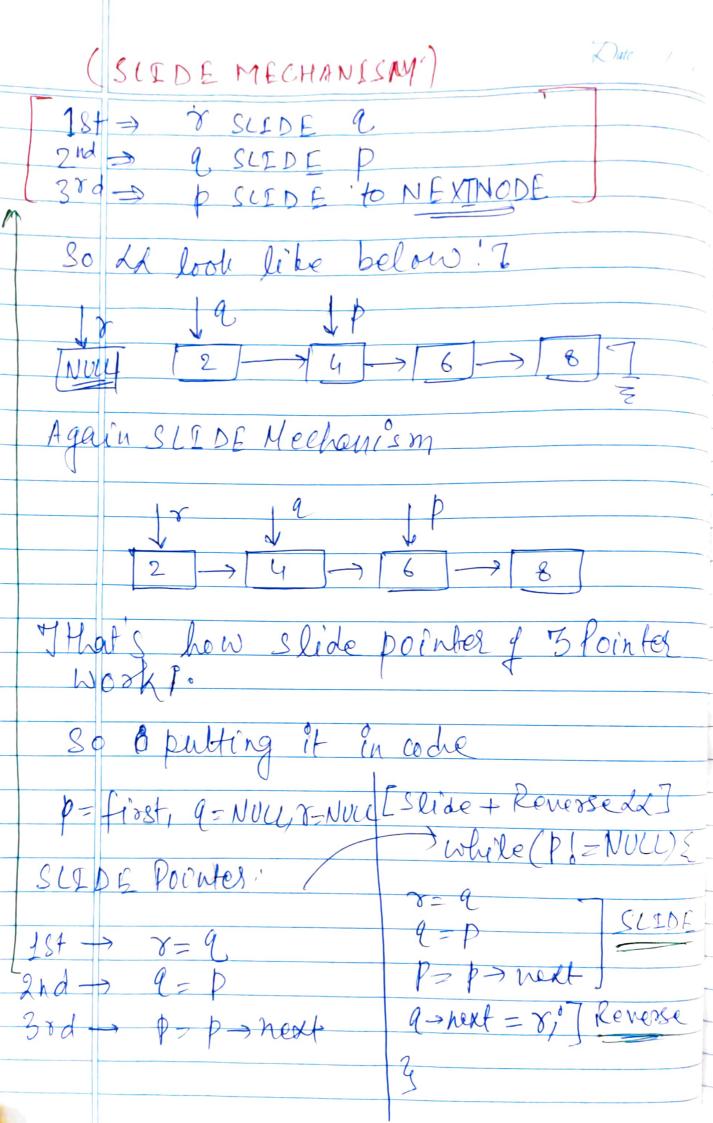
L)ale Disp(200) & point 8.

Disp(210) & point 3 Disp(270) of print 7 D18p(300) = point-12 Disp (350) - point 9 Disp(NULL) / Goback 1 (X) Terminte Outpul; 9 12 7 3 8 (Print Reverse) Count Number CO Nodes in IL Recursive:int count (struct Node +p) & setcount (p-> next)+1 10 10 NOLLOS 17 (P== NULL) { Seturn O; race foel el 80

Date / / Count (200) (= 5 Nodes Count (210) +1 -> 4+1 = 5 Count (270)+1 -> 3+1 = 4 Count (300)+1 -> 2+1=3 Count (350) +1 - 1+1=2 Count (NULL) +1 = 1 @ Addition is DONE returning fine Not calling time. De Small Change in code -> Soturn (I+ count (P->next) equal = Seturn (count (p-mext)+1) Coun (200) 1+ Count(210)= - Frost this value need to evaluated then only It Count (210) will be calculated honce complete TRACETER SAME.

L)ate Sum of Ll elements Recursive Int add (Stouck Nod Mp) & Recursive Search (P==NULL) { , soluon O' Node & Segoch * (Node * P, Int key) S Heturn add (p-next) Maximum Element in Ld Recurive: D== NULL) 341 int my max (Sm Mod &p) { return. NULL p==NUU) { LEFUT INIMEN if (p >dala = = leeg) &2 x = my max (p-) next) Search (p-next, legy sely on (x>p-data) x: prada) > 1 = Boundary Condition 2 = Toue Condition #3= Fail Condition.

Insert a Node in Id at Last Using Two Pointer: Delete Node * fisst op Last 19 Lay pos = 4, Not head void Insert (in x) { Node #P = frost, Nodo 49 = NULL Node of = hew Node foo(1=0; 1=pos-1; (++) { t > data = x +> MORT- NULL 14 (first = - NOW) S a-west=p-ment, first - last = t to delete p; felse s last -> next 2t ; last=t; 1 Reversing dd:= Reverse LL by Stiding locater: NULL NULL 2 - 4 - 6 These three pointer SLIDE.



Date / / Recursion Reverse LL := yfisst
2 -> 4 -> 87
anec Reversing of link should be done while setysh 2 -> 4 -> 8 setus n & call While returning of RECURSIVE FUNCTION we should I have Tail pointer also to reverse Link void Resease (Ned P, Ned M) 7(p/= NULL) { Revelse (P, P-) Next); Leverse Link While
2 else { P->next=qi-> Peturn first = 9 & Refurn time it last note;
assign to first. > Reverse (NULL, first), Call four main function;

Date: / 200 p In 22 = 18-15-14-17-13-19 fast & Slow Pointer Method i'nt i'stoop (Node of) { 7 Check if 9 has Node * P, * ?; neach end in case p= 1=f; Loop Loop Do $p=p \rightarrow next$, $q=q \rightarrow next$, a=(91=NUL?2>Next 5 while (PLE9) Jeekusn p==9? true !false