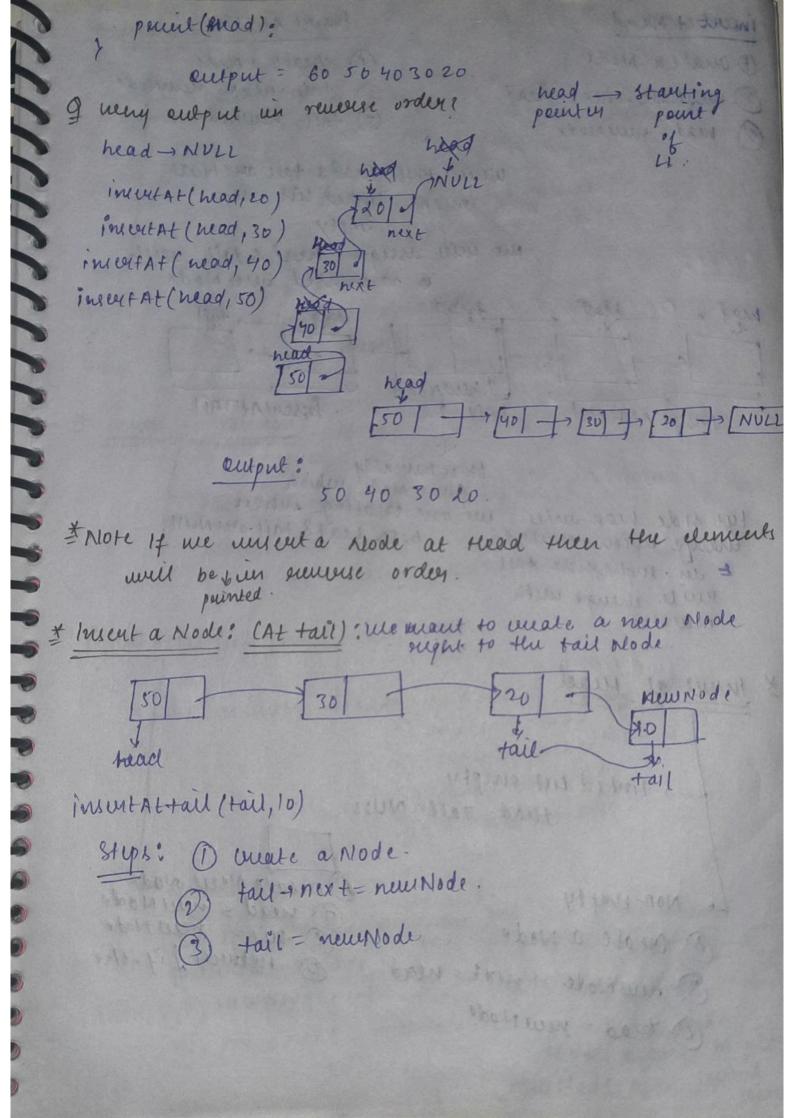
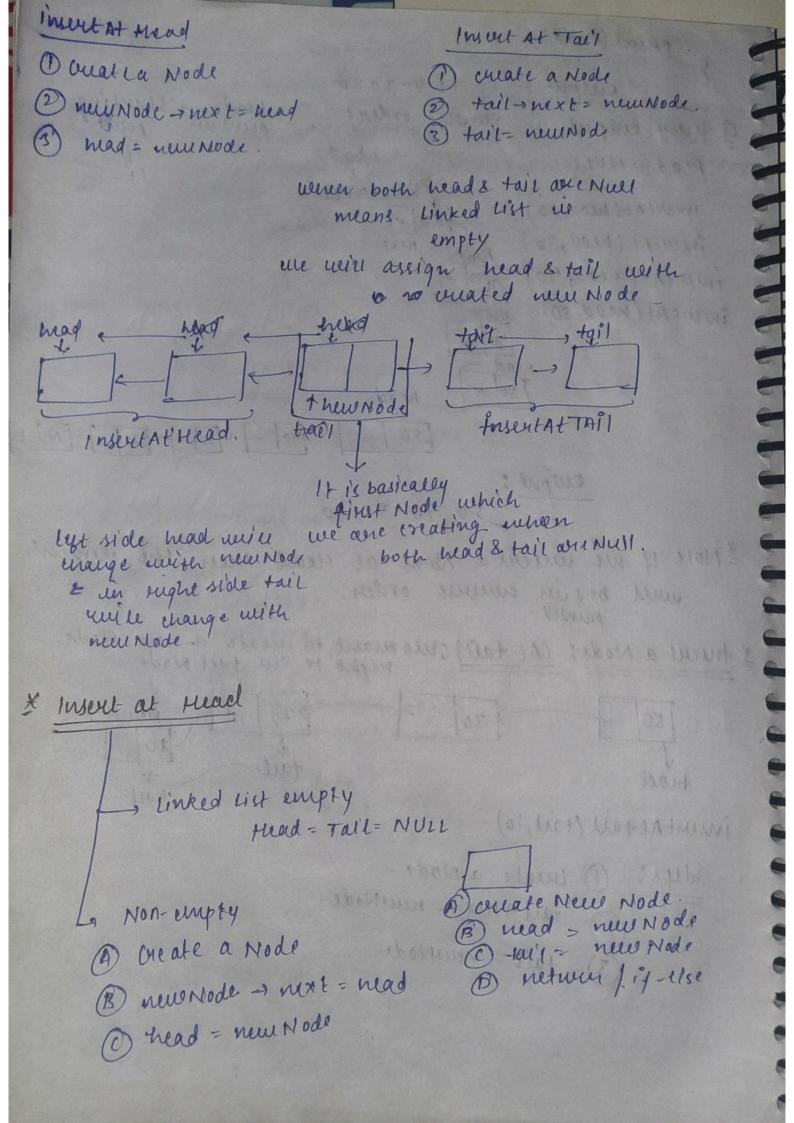
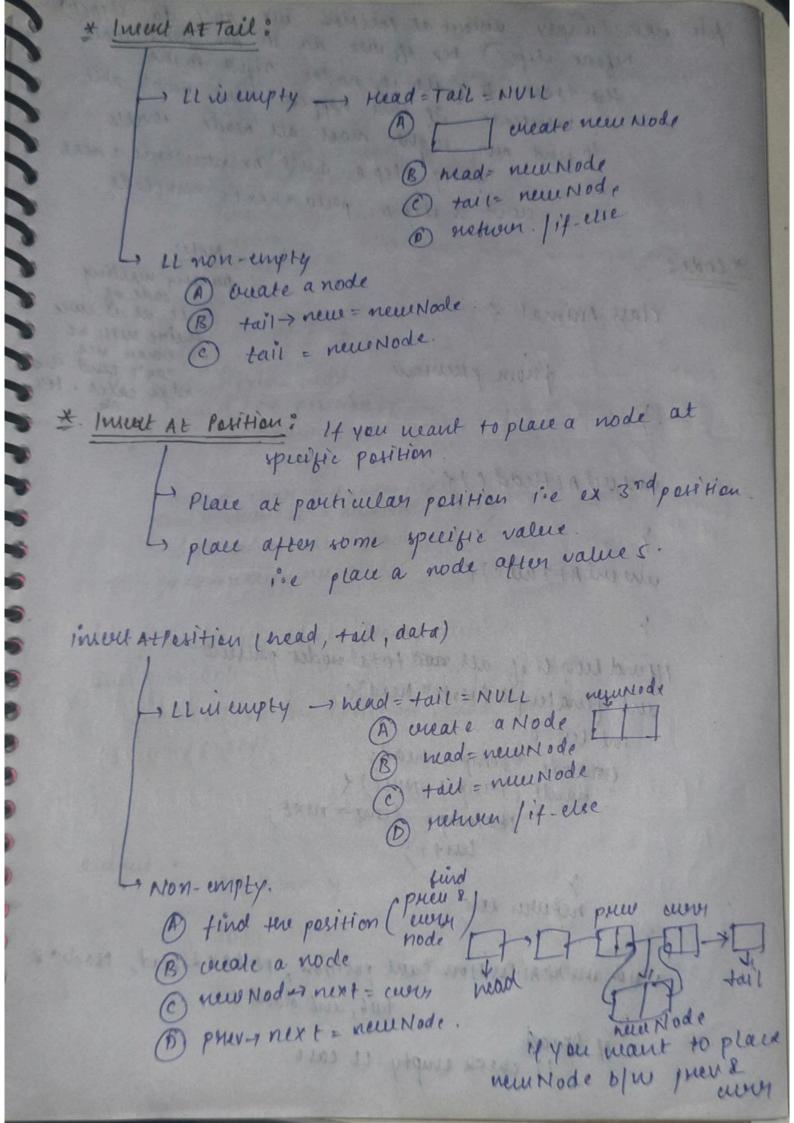


temp = head while (temp! = NULL) { coutex temp -> data < ~ " turp = turp -, next; output: 10 20 30 40 50 7/20 -10 temp = 61 st node terry - next = to 2 node teny - next - next = 105 3 node ting - next - next - next = co 4th Node. temp- next - data = 10 > [ -> [ -> ] -> X -> Linear Data Stoueture -> Non-Linear Data Structure. \* Invuting a Node! (At nead) No de \* head = neu Node (10); single Node Me mant to place the next Node left to the wwwent node ice on the backed lift to the head no de. unewethered ( nead, 20)

```
O buate a new Node
      (2) NewNode - next = head;
      (3) mad = New Mode
                                   by sufuence bez change me
neaut reg
int data) ( original
noid invent Attrad ( Node * 2 Head, vent data) {
                                                 not un copy
         Node * new Node - new Node (data);
         nue Mode -> next = nead;
         head - new Node,
word prient (Node * head) {
         Node * temp = mead;
         while (tung! = NVII) {
           eart extemp-7 data <1" ".
                temp=temp-rnext;
out on It ill above all code
class Node &
          public:
             intdata:
             Node * next;
             Model) &
                 this - data = 0;
                 this -> next = NULL;
            riode (int data)?
                 this - data - data.
this - next = NULL.
 ant main 174
         Node & head = NULL;
         insert-Attlead ( nead, 20);
         u ( u , 30);
                 4 (4, 40).
             4 (4,50);
```







for over unpty unevertal position we can't do step(D) before step bez 4 mes do so me men voise the track to of all the nodes signe to the neurode ief thie napper me mont able to find our sight most all wode that's uchy stepe well be nevertode & next = aun 2 step 0 prev- next = neverlode. Notes

\* Code:

class Animal {

from puerson

If you weard to place a wat

swany wating 'wde of IL ut we were there will be ever me can't find the edge cales. It! MATHER IN WIND

un ud At Head ()?

un ent A+Tail()?

11 fund length of all wood total nodes pursuit unt find length ( Node \* head ) <

int len=0; tod Node while (terrip 1=NULL) { portemp: tuny - next;

retween len

noid insert At Parition (unt position, Node \* & head, Node \* & tail, unt data) +

11 check empty is care

11 mon-engty LI If (position == 0) ? invest ATHEOd (nead, tail, data). sutwur. untlen = findlingth ( mad); 1+ (position >= leu) } insurthtrail (nead, tais, data); return-1114413 int i=1: Node xprev= mad. while (i'c pasition) prev = prev + next; Node \* wer = prev - next; Node + neuerlode = neue Node (data); neur No de -> next = cuous pruv = next = new Node! 11 puint the Node from previous wit main () ( " she sheet which I must silled () uneut Atposition (position, mad, tail, 101); print (head). cutput . parition: y 101

