```
Linked
 Merge two Sorted
                                           Output
    Input
  10-20-30-40-50
                                     7-9-10-12-20-30-95-940-45-50
   7-9-12-35-45-60
                                                                     60
 Hum two pointer approach
   use krengy! pointers < one
                                         8es =
 - Hum dono pointers ki values
   ko compare krengy, jiski value
                                        one J
  smaller hui, usko hum new
                                            10-20-30-40-50
  resultant list (res) me daal
                                            7-9-12-35-45-60
  dengy! Aux jis pointer ki value
                                          res = 7
   dali hai uss pointes +1 increase
   Krelengy
                                      one -10 -20 -30 -40 -50
  = Yeh hum tabtak Krengy jab tak
                                            7-9-12-35-45-60
   list of smaller size reaches Zero.
    Tab larger list ke backey huay
    elements (res) me add hojayengyl
                                             10-20-30-40-50
   public static Linkedlist merge Two Soxted Linkedlist
    (Linkedlist 11, Linkedlist 12) {
                                             7-9-12-35-45-60
9
    Node one = li head;
    Node two = lz head;
                                           res = 7-9-10
    Linkedlist res = new linkedlist ();
-
   while (one |= noll ble two |= noll) {
                                         . AT LAST
                                                                  one
     if (one data < two data) {
       res-addlast (one-data);
       one = one next,
     res addLast (two data);
     two = two.next;
9
                                       res = 7-9-10-12-20-30-35-40
2
    while (one |= null) {
                                                         60 - 50-45
      res. addlast (one data),
      one = one · next;
    while ( two (= null) }
      res-addlast (two-data);
       two = two next;
     Syeturn res;
3
```

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