```
origination, concatination.
# mulude (stdio. h)
# mulude (stalib.h)
Struct nocle
   int data;
   Struct noole * next;
void murtind (struct node * head, ont value)
   Struct nucle + new Nade = (Struct nucle +) mallor (size of (struct nucle));
   new Node -> clata = value;
   NewNode -> next = NULL;
   of ( head == NULL)
       * head = new Mode;
       retum;
   Struct mode * current = * head;
  ashilo (current -> next ! = NULL)
      current = current -> next;
  current -> next = new Mode;
prontlist (struct node * head)
    While (head != NVIL)
      printf ("/d->", head->data);
head = head -> next;
    printf ("NULL In");
     unsufionsort (Struct node ** head)
```

```
of (+ head = = NULL 11 (+ head) -> next == NULL)
      our concentrations of Senach made on 1841 Street ned to Bland
                                                     (1101 == +1801) A
    Struct node * sorted = NULL;
   struct node * current = * head;
                                                   11347 = 1662;
   while (wirent! = NVLL)
      struct node * next = current -> next;
      if (sooted == NULL || sorted -> data > current -> data)
          current -> next = sorted;
                                       current = commt > next;
          Sorted = current;
       Jelu (
                                             Carried - most = + 18842;
         Struct node + temp = sorted;
                                       timp -> next-> data ( winnt >da
         while (temp > next != NULL 94
         temp=temp=next;
                                           Strait recte * 151/1 - NULL;
       turent > next = temp > next;
                                           Grant 100ge 1245 - NOTE?
                                                suretung (4 list);
                                                (+, 11211) + District
    current = nuxt;
                                                 (5 1 tal + ) purporur
                                                101, 5 ml 4 ) bruther 10).
* head = sorted; }
                                                 mustered (4 1352)
void reversilist (struct node * + head)
                                                       CHall Hallowing
  Struct node * prev = NVLL;
Struct node * current = * head;
                                                     mentifiet (+ list);
   Street node * next = NLLL;
                                                        1214817 1814134
  while ( wrient ! = NULL)
                                                       grand List / List 20;
                                     concertinatelists ( first by Alist 2);
      next = current -> next;
                                                       printigl(text));
       current -> mas = prev:
                                                             relian D.
      Prev = current;
      Current = next;
```

```
*head = pier;
void concatenatelists (struct mode +* list1, struct mode ** list2)
   if (*list1 == NULL)
                                      rieds & Souted = MOLL!
                                    hours * content = * hours
       * 13+1 = * 41st 2;
                                       (MME [ + MMT]
  Jelu (
     Struct node * current = * list1;
While (current -> next! = NULL)
                                     ( b) 1602 = 1xon < 100000
       current = current -> next;
                                        South committy
     current -> next = + list2;
                                  (1691608 = 900) + about +11.12
inf main() the c-law (-qm) + of sour - (taux -qm)) the
                                         (fruis good good
   Struct nocle * list1 = NULL;
                                  wount somet-temp sunt
  Struct node + Urt 2 = NULL;
   must end (4 list1, 1);
  murtend (& list1, 4);
                                                   : At 11 = 400
  mutund (4/1/1,8);
  muschend (4 17+2,10).
  muntend (4 list 2,7).
                                                    flooters?
                                unce list ( shack node + seed)
  prontlist (list1);
                                         17 TAN = ADD + Sport ?
 prentlist (11st1);
                                rody current = "Leady !
                                          t made + wast - where;
 prant list (list 2);
                                           (11Uh = (+10) + m)
 concatinatelists (4/1/1, 4/1/1);
 prontlist (list1);
                                         must come - must;
                                          Ard - France Francis
return 0;
                                                 : From 1133 = VIII
                                                 Month = more
```

1->4->8-> NULLIS BURS 0044270000 8->4->1->NULL 10->7-> NULL 8->4->1->10->7-NVLL

x qll.c x 000.c x

C:\Users\User\Desktop\1BM22CS312\000.exe

1 4 8 10 7 8 4 1 **10 7**

Process returned 0 (0x0) execution time : 0.011 s
Press any key to continue.