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Anity Pravad
                                              # 18M19(5192
Lab 7/8: Reverse, Sort 4 Coneat, Stack & June
    void concatenate (struct node "a struct node "b)
Concalenation
    A (a != NULL 44 b! = NULL)
    4 (a-> next, b);
  else
      print ("Either a or b is NULL In");
Smuch node + woncat (smuch node * start 1, smuch node * start 2)
      Struct node ptr;
      if (start == NULL).
      stat1 = start 2;
      return starty
   is (start 2 = = NULL)
           relus start1;
ptr = stary;
while cotr -> link ! = NULL ?
            ptr = ptr > l'ink;
ptr -> link = 6/a1+2;
  noturn start ;
```

7-12-20

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Revuse:
while (ament!=NULL)
      next = current -> next;
       current -> next = prev;
       prev = current;
       'current = next;
    * head ref = pover;
                                   (i hi) gog bor
Sout:
                          ELD got the stop stop ELI
will somlist (7 $
    smut node + current = head, + index = NULL;
    ant temp?
                        return stack Empty ();
 of (head == NULL) &
     neturn ;
                               · solegnot · lilgot
                                   he (temp):
ue {
   while (werent!= NULL) &
      videx = warrent = next;
   While (index! = NULL )?
      and is (current -> data > index -> data) {
    temp = Current -> data ; x and > 1 20 , 1100 = [ ] word
      ument -> data = maex -> data;
     indu -> : data = Temp;
     inder = inder > next; med in any many
                       for all bearing and alless
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Stacks :-
   void push (inti, element item)
     Stack ponder temp; that so they was
     malloc (temp, speof ( * temp.)); then & there
 - lemp -> data = item;
      temp > link = top [i]
  top[i] = temp;
  void pop (int i)
  Black pointer temp = top (i]
  element tem;
    4 ( Jelling ) xabing to board = traverson to
  Meturn stack Empty ();
  Dem = tem → data
   top[i] = -lemp> be:
 fee (temp);
 return item;
                           wile (wast to null?
                         her = freezew = xebru
 Queu :
                       white Condex = NULL)?
         and is (unreck - data > index -> data) ?
 front [i] = NULL, OS I < MAX; and ~ treated good
    Pront [i] = NULLOSI - when theb throw
soid oddy (i, item) i goul a sub <- xism
        queue pomber temp; then & whi = whi
nulloc (temp, size of ('timp));
```

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tump → data: item;
   temp -> Unk = NULL;
      is (front (i))
 rear Bi] > kmp,
   else
    hont [i]: temp;
  real [i] temp.
 void delete q (inti)? 1" Delete form the hours
                   i ( n = s great , " b + ") flowing
of a linked queen
   temp = Front [i];
  if (!temp)
element item;
return queue Empty ();
item = temp -> date )
 front [i] - timp -> link;
fue (timp);
ulum item;
```