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MEEK 10: Program to implement deleterode at interestros was front & given position in singly linked list.

Algorithm:

Etneution of nodes as in premious program]

For deletion:

Step 1: [nethod to delite at port]

NODE délate front ()

{

NODE temp;

if (first == NULL)

print ("List is empty");

temp=frist

posto temp = temp - link;

print ("Item delited at front and = ", first > info)

fele (fiest);

return temp;

3

Step 2: [method to delete at viar]

NODE delete rear ()

NODE w, pew;

if (first = = NULL)

print (" List is empty");

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```
ef (frest-) link = - NULL)
     "paint ("Item deleted = ", first > info);
     fue (first); }
   peer = NULL;
    Cu = first;
    while (us - link != NULL)
        au= au-sline;
  print (" Item deleted at rear end = ", un sinfo);
  que (un);
  prev -> link = NULL;
   leturn friet;
Step 3: [ Nethod to delete at given position:]
    NODE delete-pos().
       NODE au, prev;
       int count, flag = 0 ;
        if (first = = NULL | pos < 0)
          punt ("Invalid position");
       if(pos = =1){
            cu = first;
            first = first shirt;
             freehode (au);
```

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prev= NULL;
 un-frest;
 Court = 1;
 rehile(us! = NULL)
      if (count = = pos)
      { flag = 1;
     count++;
     peer = cur;
      cus = au - link;
  if (flag = = 0)
    punt ("Invalid position");
  print (" Item deleted at position 1. d is 1. d", pos,
                                               au-sinfo);
  plew → link = cu → link,
    fuerode (us);
    returnfielt;
Steps: [Main method]
    sneitch (choice)
   (ase 4: first = detetefront (first);
            weak;
   (age 5: first = delite_evar (friet);
              weak',
                                                  RISH
```

Case 6: print ("Enter pos:")
scar (pos); friet = delete-pos(pos, friest); lereak;