Sheet Node & insert At End (street Node & head,

Street Node & joseth Mer Node & (reatenable (Value);

```
if (head == NOLL) }
return newNode;
     struct Alode & temp = head
     while ( temp. mpt! = AIUL) }
            temp = temp-> next)
    temp -> next = new Mode;
struct Node & insettAffestons (Struct Node & head, introle
int paition) {
Struct Node × nu Node = CreateNode (value))
   17 | position = = 1)
          nushode -> next = head;
          Hours newlode;
    Struct Mode x temp = head;
    for (inti=1; ic position-1; iff)
          temp= temp->mxt;
```

if (temp==allel) } them head; newNode -> next = temp -> next; temp-> next = newNode; retim head; //display Void display (street Node & head) of printf (" lintedlist: "))
while (head:= NULL) {

printf ("1/-d->", head -> data); head = head -> next printy (" NULL \ "); 11 delete at Regnains Short Node & deletefort (Struct Nale bead) If (had = = NULL) ? point (" Lin 1's empty"); 'them NULL' struct Node & temp = head; free (demp); Mhim head;

struct Mode & delete Flund (struct Mode head 7 | head == NUL) 3 printf ("list is empty"); of head -> data = = value)} struct Node * temp = head; head = head > next; Free (temp); return head. struct Node & current - head; while | current -> rest! = NULL 44 current -> next -> data != value) { lymat = culent -> rept) if (umunt) next == NULL) { pruffi a Element not journet (n') struct plade & temp = lument -> next (ument -) next = current -) next -) next fre (temp); beturn head)

```
street Note & deletelant (shud Nate & head)
   if (head == NUL) }
         poshof (" ( it is emphy");
   if | head -> next == NULL) }
          free (head)
              Johna MULL :
   struct plade " (comas = head;
    while ( coment -> next -> next ! - nocell) {
            current = current -> rept ;
     free ( current -) next);
    (arrest -) next = dull;
     return head;
   street Node & heard = NULL;
           InsertA+Beginning ( head, 3))
   head =
           insest At Beginning ( head, 2))
   head =
           InscottAt Beginning (head, 1) ?
   head =
           Insert At End ( heed, 4);
   read =
```

inserted [head, 5);

head =

display (head); head = deleteAtfort (head); display (head); head - delete themat [head, 3); display (head); head - delete tart (head) i display (nead); Mhim O', Output: Linkalist: 1-) 2-) 3-) 4-) 5 -> NULL Linkedlist: 2-> 3->4-> 5-> NULL (mbed list 2 2 -> 4-) 5-) NULL linked lit: 2 -> 4 -> NULL

```
Original Linked List: 1 -> 2 -> 3 -> 4 -> 5 -> NULL
After deleting the first element: Linked List: 2 -> 3 -> 4 -> 5 -> NULL
After deleting element '3': Linked List: 2 -> 4 -> 5 -> NULL
After deleting the last element: Linked List: 2 -> 4 -> NULL
```

...Program finished with exit code 0 Press ENTER to exit console.