

LINKED LISTAIM

Write a menu driven C program to implement various linked list operations

ALGORITHM

→ Display() function

- 1 start
- 2 check if the list is empty
- 3 if not,
 - 3.1 ptr = start
 - 3.2 print ptr → info
 - 3.3 ptr = ptr → next
- 4 stop

→ Insert-begin() function

- 1 start
- 2 insert the data from the user for the node.
- 3 temp → info = data
- 4 temp → next = NULL
- 5 if start = null
 - 5.1 start = temp
- 6 else
 - 6.1 temp → next = start
 - 6.2 start = temp
- 7 stop

→ Insert-End() function

1 start

2 get the value of the node from user into temp → info

3 temp → next = NULL

4 if start = NULL

4.1 start = temp

5 else

5.1 ptr = start

10 5.2 repeat while ptr → next ≠ NULL

5.2.1 ptr = ptr → next

5.3 ptr → next = temp

6 stop

→ Insert-Pos() function

15 start

2 get the position and value from the user

3 if pos = 0, temp → next = start, start = temp

4 else, i = 0, repeat while i < pos - 1

4.1 ptr = ptr → next

20 4.2 if ptr == NULL, print position not bound

5. temp → next = ptr → next

6. ptr → next = temp

7 stop

25 CONCLUSION

The program has been executed correctly and output has been verified.