In [1]:

```
class Node:
    def __init__(self, data):
        self.data = data
        self.next = None

class LinkedList:
    def __init__(self):
        self.head = None

    # Insert a new node at the beginning of the linked list.
    def insert_start(self, data):
        new_node = Node(data)
        new_node.next = self.head
        self.head = new_node

    # Insert a new node at the end of the linked list.
    def insert_end(self, data):
        new_node = Node(data)
        if self.head is None:
            self.head = new_node
            return
        current = self.head
        while current.next:
            current = current.next
        current.next = new_node

class DisplayLinkedList:

    def display(head):
        current = head
        while current:
            print(current.data, end=" ")
            current = current.next
        print()

# Create an empty linked list
linked_list = LinkedList()

# Insert nodes at the beginning of the linked list
linked_list.insert_start(5)
linked_list.insert_start(10)
linked_list.insert_start(15)

# Insert nodes at the end of the linked list
linked_list.insert_end(20)
linked_list.insert_end(25)
linked_list.insert_end(30)

# Display the linked list
DisplayLinkedList.display(linked_list.head)
```

```
15 10 5 20 25 30
```