Description:

Add methods to an existing linked list class.

Modified the LinkedList class to add the following methods:

a. swap

Receives two index positions as parameters, and swaps the nodes at these positions by changing the links, provided both positions are within the current size

b. shift

Receives an integer (positive or negative) and shifts the list this many positions forward (if positive) or backward (if negative).

1,2,3,4 shifted +2 3,4,1,2

1,2,3,4 shifted -1 4,1,2,3

c. erase

Receives an index position and number of elements as parameters, and removes elements beginning at the index position for the number of elements specified, provided the index position is within the size and together with the number of elements does not exceed the size.

d. insertList

Receives another MyLinkedList and an index position as parameters, and copies the list from the passed list into the list at the specified position, provided the index position does not exceed the size.

e. main

Add code to the main method to demonstrate each of your methods.