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Mat # 30001299

Algorithms & Data Structures
Assignment #7

Problem 2a)

Algorithm: in-situ reverse linked list

```
procedure ReverseLinkedList
  if( start is NULL)
     exit
  while (current node != NULL)
     next node = node after current node
     node after current node = previous node
     previous node = current node
     current node = next node
  Start Node = previous node
```

This is in-situ because it does not create a new LinkList, it just reverses the current LinkedList's nodes pointers. It uses the nextnode, current node, previous node pointers to help do this. However, they have constant memory, as such it is in-situ