Exercise 6: Stack data structure with linked list

   a. Pseudo-code:

```
Node:
        data
        nextNode
Queue:
        top

function initStack:
        top = NULL

function enqueue(data):
        newNode = new Node()
        newNode.data = data
        newNode.nextNode = NULL

        top.nextNode = newNode
        top = newNode

function dequeue():
        if (head is not NULL):
                top = top.nextNode()

function front():
        if(top is NULL):
                return "empty"
        return top.data

function empty()
        return top is NULL
```

   b. Complexity: $O(1)$ *each operator*