Alex Zhou
Wudi
3 November 2016

Thoughts on Linked Lists

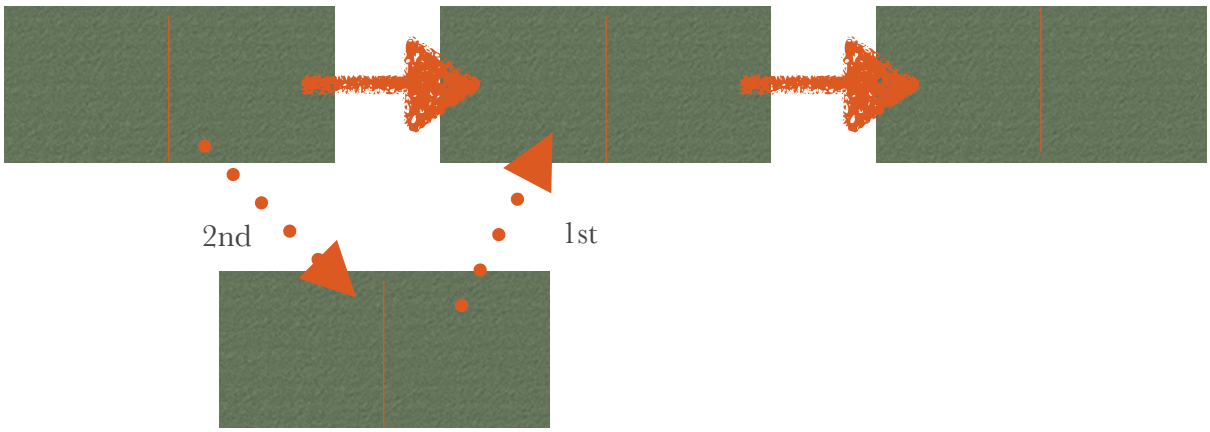
comments

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

    def getData(self):
        return self.data

    def getNext(self):
        return self.next

    def setData(self,newdata):
        self.data = newdata

    def setNext(self,newnext):
        self.next = newnext
```

A node

In every linked list, there are several nodes. In a node, there is the value and a reference. The nodes connect with each other through the reference. The reference list cannot be broken, or the value will get lost.

When adding a new node, we have to first link the reference of the new node to the value of a node that is already in the list, then break the linkage between the prior node and the connected node to connect the prior node with the new node.



The linked list, unlike the array list, stores its ram address randomly, not in order, so it is important to keep the linkage.