Linked List

Swap Elements in a Linked List

Intermediate - java

Given the head of a linked list and two values within the list, create a `swapNodes()` method that swaps the nodes with the given values. Your function should return the same list with the nodes swapped.

For example, if your original linked list was named `demoList` and contained `1 → 2 → 3 → 4 → 5 → 6`, `swapNodes(demoList, 2, 5)` should return the list containing `1 → 5 → 3 → 4 → 2 → 6`.

For this problem, you'll be using our custom-built `Node` class. The constructor for the node class is as follows:

```
public int data;
public Node next;

public Node(int data){
  this.data = data;
  this.next = null;
  }
```

The head of a linked list is a `Node` with some `data` whose `next` value points to the `next` `Node` in the linked list.

This challenge was reported to have been asked at interviews with Facebook, as well as right here at Codecademy! If you've covered the material in Pass the Technical Interview with Java or an equivalent, you should be able to solve this challenge. If you have trouble, try refreshing your knowledge with its Swapping Elements in a Linked List walkthrough first.