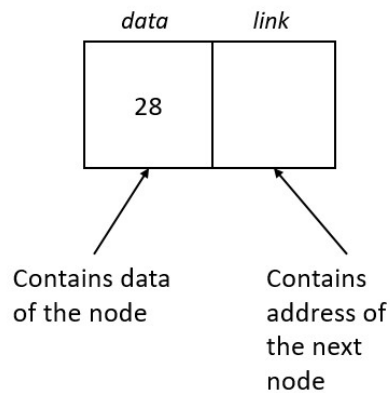


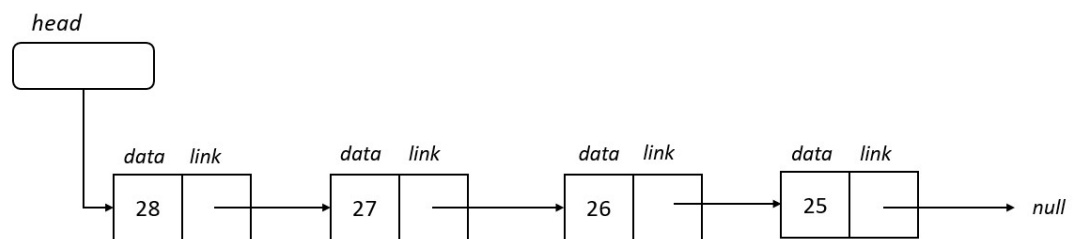
Linked List

1. It's a Physical Data Structure.
2. It is represented in form of Node.
 - a. Every Node has two parts
 - i. Data
 - ii. Pointer to next Node
 - b. Node is represented as a Object.
3. Address of the first node is stored in the head. So, if the pointer to head is lost, we lose access to the LinkedList. So, we should be very careful while coding.

Below is the representation of a single Node: -

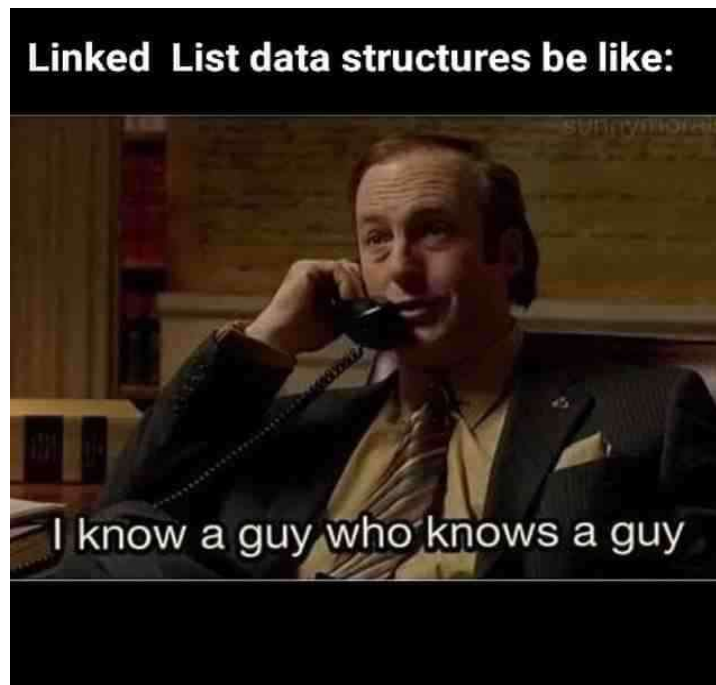


Below is simple representation of a Linked List: -



Simple linked list representation.

Just a Meme: - 😊



```
public class Node {
    public int data;
    public Node next;

    Node(){

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

public class LinkedListTraversal {
    private void LLTraversal(Node head) {
        if (head == null) // Base condition
            return;
        Node p = head; // Never do any direct operation on head
        while (p != null) {
            System.out.println(p.data);
            p = p.next;
        }
    }
}
```

Class Explanation:

```
1 private static void linkedListTraversal(Node head) {
2     if (head == null) // Base condition
3         return;
4     Node p = head; // Never do any direct operation on head
5     while (p != null) {
6         System.out.print(p.data);
7         p = p.next;
8     }
9 }
10 head-->28-->27-->26-->25-->null
11                                     ^
12                                     p
13 Output
14 =====
15 28 27 26 25
```

Solve below Hacker Rank problem.

<https://www.hackerrank.com/challenges/print-the-elements-of-a-linked-list/problem>