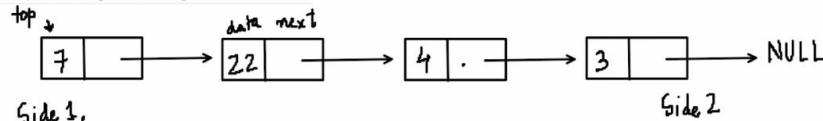


# Implementing Stack Using a Linked List



Side 1,  
O(1) → Insertion  
& deletion

- 1 > Side 1 will be used for Push and pop operations
- 2 > Head is now → top
- 3 > Stack Empty Condition →  $(top == NULL)$  ✓
- 4 > Stack Full when → Heap memory is exhausted ✓  $\Leftrightarrow [ptr == NULL]$
- 5 > You can always set a custom size.

$push()$ ,  $pop()$ ,  $peek()$ ,  $isEmpty()$ ,  $isFull()$



```

struct Node {
    int data;
    struct Node * next;
}
  
```

