

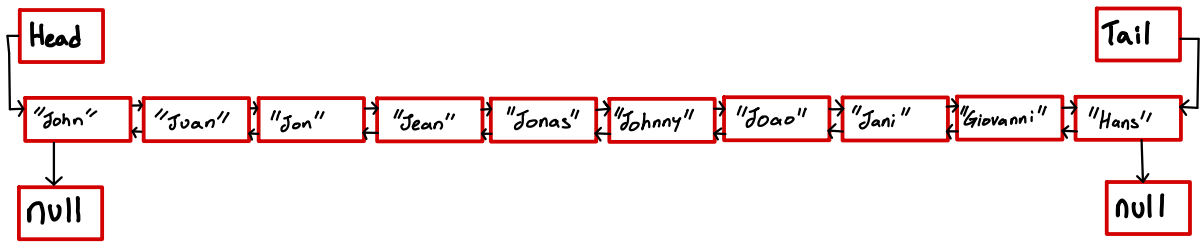
Homework Single-Linked List and Double-Linked List

PLEASE SHOW THE UPDATED LIST AFTER EACH PROBLEM.

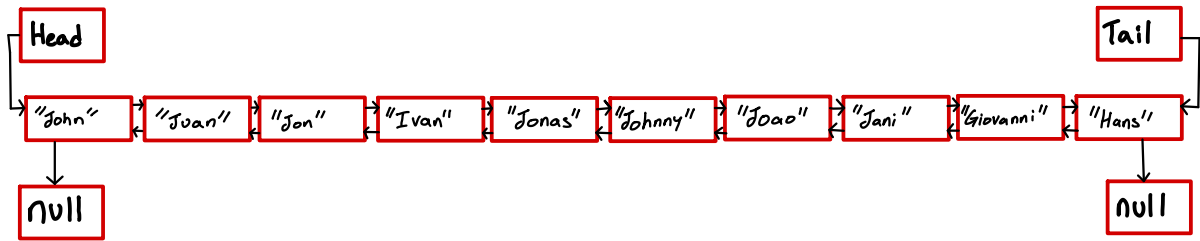
1. Update the Single-Linked List with the given commands.
 - a. Add the following Strings to the array: "John", "Juan", "Jon", "Jean", "Jonas", "Johnny", "Joao", "Jani", "Giovanni", "Hans" in that order.
 - b. Replace index 3, with "Ivan".
 - c. What happens if we add "Jhon" at the end of the list?
 - d. What happens if we add "Jan" by index 5 what do we get?
 - e. What happens if remove the elements in index 4 what do you get?

2. Update the Double-Linked List with the given commands.
 - a. Add the following Strings to the array: "John", "Juan", "Jon", "Jean", "Jonas", "Johnny", "Joao", "Jani", "Giovanni", "Hans" in that order.
 - b. Replace index 3, with "Ivan".
 - c. What happens if we add "Jhon" at the end of the list?
 - d. What happens if we add "Jan" by index 5 what do we get?
 - e. What happens if remove the elements in index 4 what do you get?
 - f. Create an indicator at index 6, with lastItemReturned node, nextItem node, and index value.

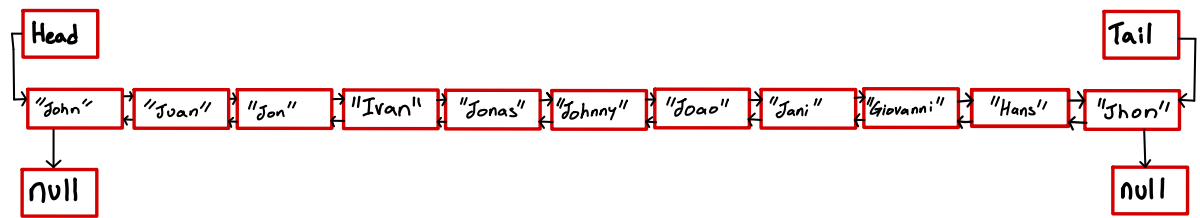
1. A



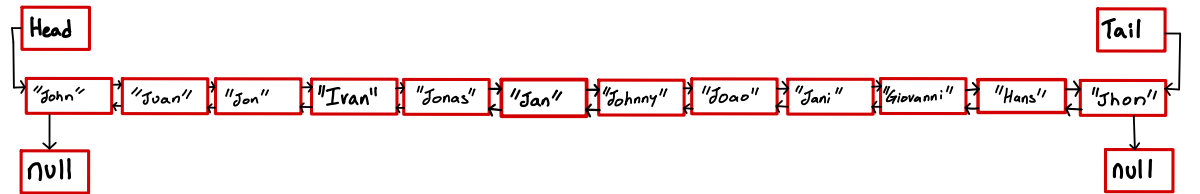
B



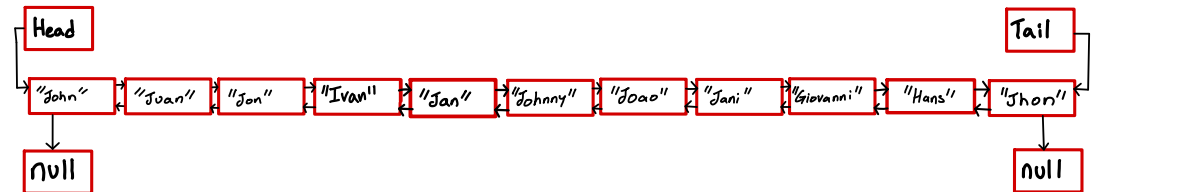
C



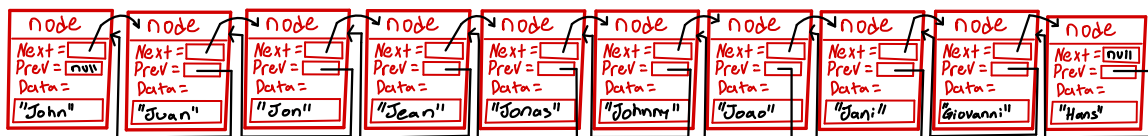
D



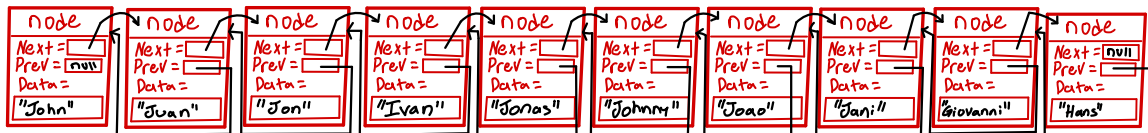
E



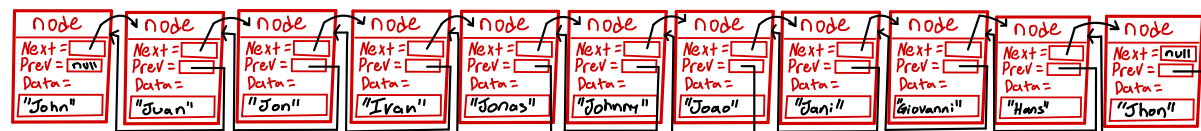
2A



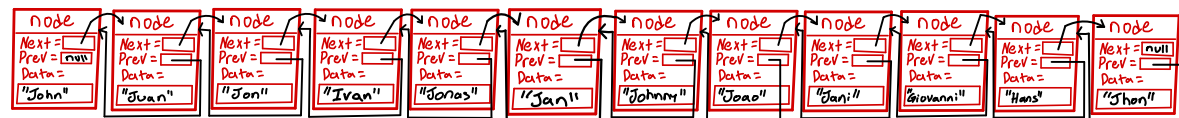
B



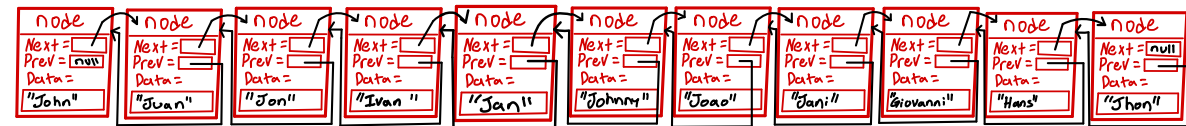
C



D



E



F

