

SLL Recursion(20%)

Implement the following functions recursively.

(5%) print_list(head)

- Prints all items in the Singly linked list starting at head

(10%) add_zero_between_each_node(head)

- Adds a node with 0 between element in the original Singly linked list starting at head
 - There should not be a zero node at the end of the list(it is not between two items)

(5%) to_arraylist_reverse(head)

- Adds all values in the Singly linked list starting at head, reversed to an ArrayList

ArrayList (5%)

Implement the following function inside ArrayList

(5%) print_list(head)

- Prints all items in the Arraylist