In-Class Worksheet #10 CS62 - Fall 2024 Alexandra Papoutsaki

1. Add a method removeDucplicates in the SinglyLinkedList class that we wrote together that removes duplicate nodes from the singly linked list. 1

Example: Input: $1 \to 0 \to 1 \to 0 \to 1 \to 0 \to 1 \to 0$. Output $1 \to 0$

 $^{^1\}mathrm{Hint}:$ Remember that you can use two pointers to traverse a list.

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 $2. \ \, \mathrm{Add} \,\, \mathrm{a} \,\, \mathrm{method} \,\, \mathbf{reverseLinkedList} \,\, \mathrm{in} \,\, \mathrm{the} \,\, \mathbf{SinglyLinkedList} \,\, \mathrm{class} \,\, \mathrm{that} \,\, \mathrm{we} \,\, \mathrm{wrote} \,\, \mathrm{together} \,\, \mathrm{that} \,\, \mathrm{reverses}$

the singly linked list. You can either use multiple pointers or recursion.