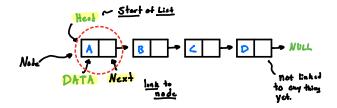
Singly Linked Lists

Insertion

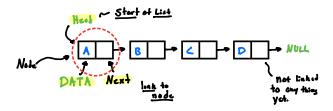


Array vs. Linked List

		Array	Linked List	
1	Insertion/Deletion	O(n)	O(1)	han to han paintur to traverse until we find
/	Access Element	O(1)	O(n)	han to han painter to traverse politi we find the Union use are lacking for
1				
1	Contiguous Memory?	Yes	No	
1				•
\				

Move entire crrsy for array

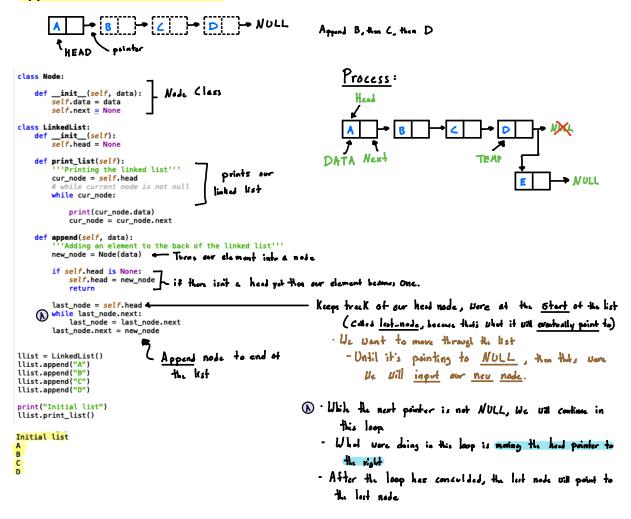
Python Implementation of a Linked List



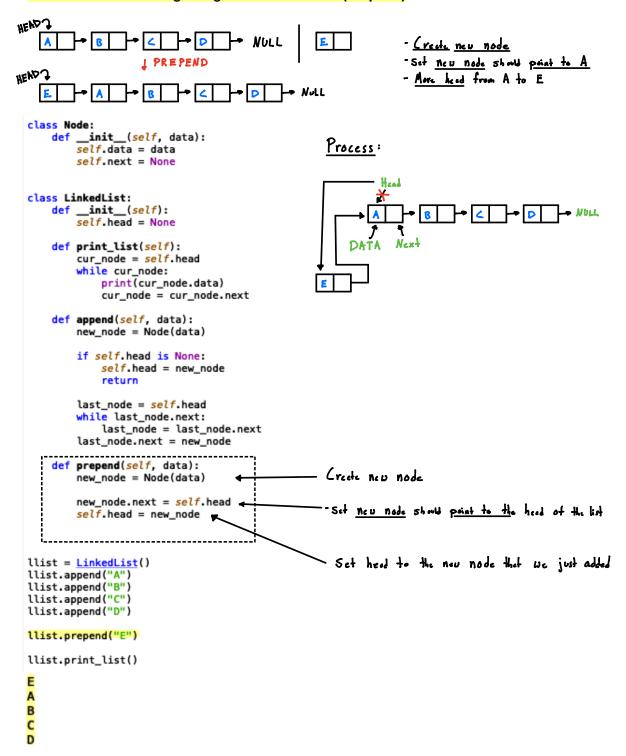
Insertion

- 3 ways
- · Append to end of list
- · Prepend to Beginning
- · Insert after Node

Append to end of the linked list



Add element to the beginning of the Linked List (Prepend)



Insert and element after a Node

