

# Add after - Linked List

Tuesday, 7 April 2020

7:43 AM

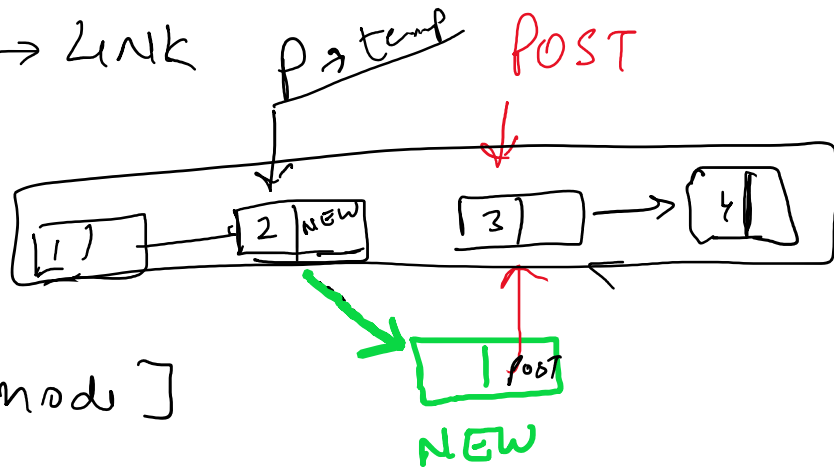
Algorithm: Add-AFTER (HEAD, ITEM, P)

[ Adding a node after specific node pointer P,

HEAD  $\rightarrow$  First node, ITEM  $\rightarrow$  value of new node ]

POST is a temp POINTER, points to next node of P ]

1. Set  $POST \rightarrow P \rightarrow LINK$



2. [ Create a new node ]

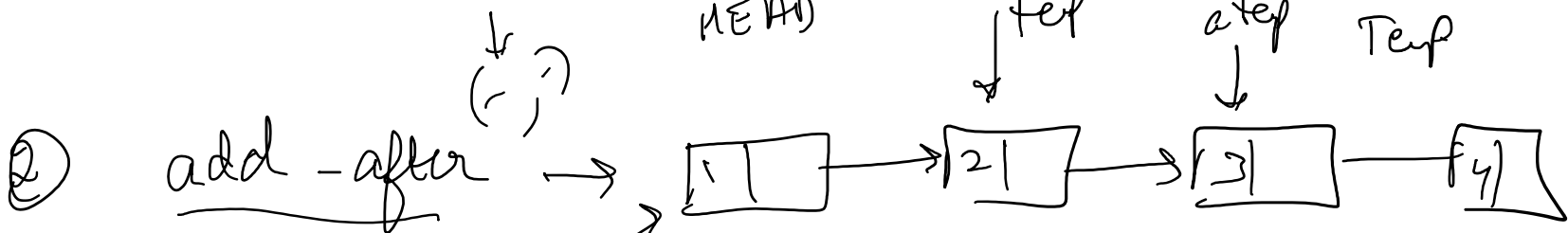
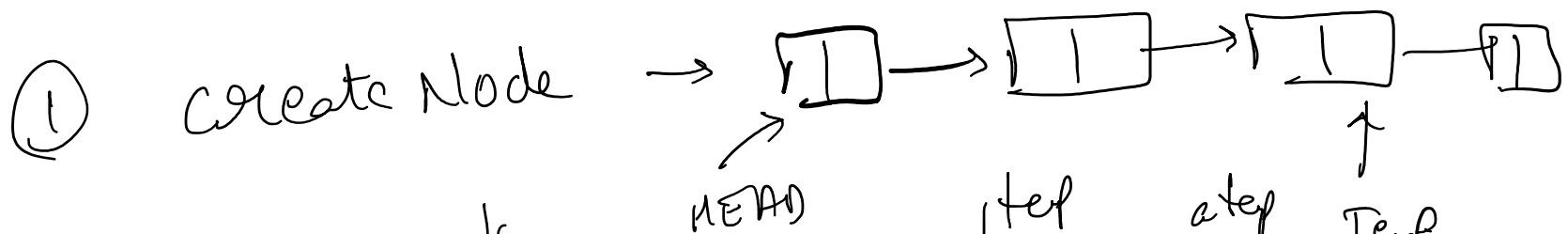
a) Allocate a memory

b) If  $NEW = NULL$  then return

c) Set  $NEW \rightarrow DATA = ITEM$

d) Set  $NEW \rightarrow LINK = POST$

e) Set  $P \rightarrow LINK = NEW$



add-after (2, 10)

$temp \rightarrow temp \rightarrow link$

NewNode

display