

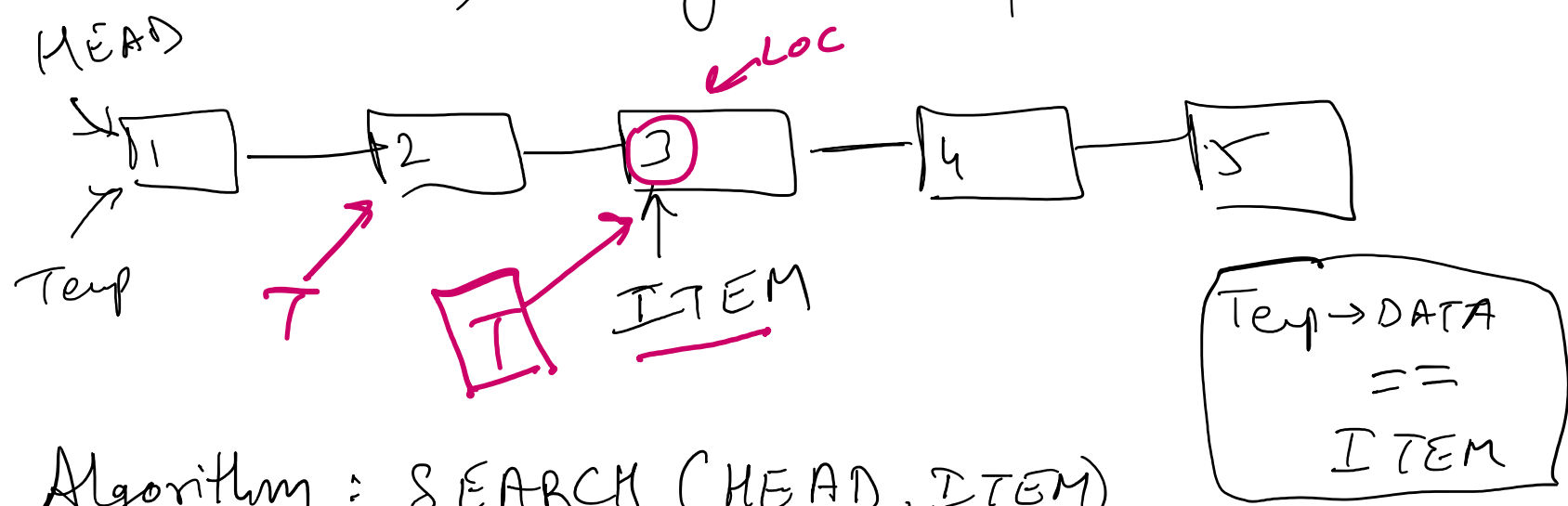
Searching - Linked List

Saturday, 11 April 2020

8:08 AM

1) Traversing

2) Along the way keep checking.



Algorithm: SEARCH (HEAD, ITEM)

1. Set Temp = HEAD, LOC = NULL

2. If Temp = NULL then Return

3. Repeat step 4 while Temp ≠ NULL

4. If Temp → DATA = ITEM then
i) Print 'Element found'
ii) Set LOC = Temp
→ iii) Return True

Else

Temp = Temp → Link

[End of if]

[End of while]

5. Print "Element NOT found"

6. Return false

bool

back to Source

F

f

int main()

{ bool found = false; ← I

found = searchNode(3); ← Calling

if (found)

{ printf("Found");

else
{

printf("NF");

}