ALGO_DS DAY-04:

there are 2 types of programming langauges:
1. procedure oriented programming language
e.g. C : procedure => function
logic of a program gets divided into functions

maintainability =>

2. object oriented programming language
e.g. C++, Java :
logic of a program gets divided into classes

– we can delete node from linked list by 3 ways:
1. delete node at last position

2. delete node at first position
3. delete node at specific position

searchAndDelete():
– priority queue can be implemented using linked list
searchAndDelete()
– BST => deleteNode()

addition();

addLast()
addFirst()
addAtPos()

– whatever basic operations (i.e. addition & deletion) we applied on slll, all operations can be applied onto the scll as it is, execpt we need to maintained / take care about next part of last node always.

i. add node at last position
Lab Work:
ii. add node at first position
iii. add node at specific position
iv. delete node at first position
v. delete node at last position
vi. delete node at specific position