

Lab 12 – 11-04-2023

You are provided code for LinkedList and ArrayList classes, the linked nodes based and array based implementation of a few functionalities of the LIST ADT. You are required to understand the code provided and implement the following functionalities in them.

Content based operations:

- Search, that return Boolean value
 - `print(lst.search(...))`
- Set, to update/modify a value in list
 - `lst.set(old, new)`

Whole list based operations:

- Clone, to return a duplicate of the list
 - `lst_new = lst.clone()`
- Same, return a Boolean value whether two list are same or not
 - `print(lst1.same(lst2))`
- Join, to attach a list at end of another.
 - `lst_new = lst1.join(lst2)`

******* The end *******