

Data Structure: Assignment #2

Programming problems:

1. Given two sorted lists L1 and L2, write a procedure to compute $L1 \cup L2$ using only the basic list operations
2. Given two sorted lists L1 and L2, write a procedure to compute $L1 \cap L2$ using only the basic list operations
3. Write and test a method called `removeLast` (*LinkedList list*) that removes the last node in the list.

Assignment Problem:

Create a linked list (10 nodes at least), each node contain the name, age and degree of a student. Search for all the students who passed the exam ($\text{degree} \geq 50$), then delete them from the old list and put them in a new list, finally display the result 2 lists one containing the succeed students and one containing the failed ones.