

Advanced Programming

COEN 11

Lab 5

Lab5

Spreadsheet

- Change lab 3 to use a linked list
 - Use the lab that does not have union
- Due in week 6

Lab5

Adding to the functionality of Lab 3

- The spreadsheet is created interactively with the following commands
 - 1
 - Insert at the head
 - 2, 3
 - Same as before, traverse the list starting from head
 - 4 <first name> <last t name>
 - Remove the item with the first and last names given
 - 0
 - Quits

Lab5

Requirements

- Main: loop forever accepting commands
 - Use a switch statement
- Do not allow names to repeat
 - Add a function to check for repetitions
 - The function returns zero or one
- 6 functions
 - main, insert, show, show_age, delete, check_duplicate
- List mechanism
 - Your list should stay in a new-to-old order
 - Always insert a new entry at the head

Lab5

More requirements

- Global variable, just one!
 - head pointer

Lab 5

Grading

- Pre-lab
 - Pseudo-code of the delete function – 10%
- In the lab
 - Demo to the TA – 30%
 - Submit your code to Camino – 60%