C++ Software Engineering

for engineers of other disciplines

Module 1
"C++ Syntax"
Assignemnet

Autumn 2021
Gothenburg, Sweden
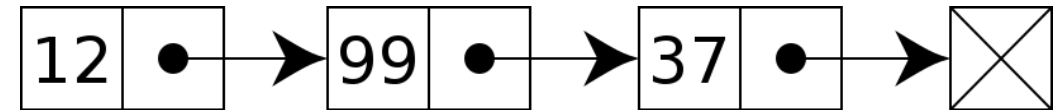*petter.lerenius@alten.se*
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Assignment 1

ALTEN

- Modify your first assignment from yesterday to receive the dimensions of the arrays from the user.

- *Hint: Use pointers instead of fix size array.*

Assignment 2

- Implement a *single (forward) linked list* for integers, your application should be able to:

    - Add items to the end of the list

    - Remove items from the front the list

    - Print the list in the correct order

https://en.wikipedia.org/wiki/Linked_list

- Your application needs a loop in which it takes user's inputs and acts on them.
- Define the structure for the items in the list -- keep the head, nullify the tail and you shall be fine!

Bonus

- Add below features to your linked list:

  - Add items to list at any given index

  - Remove items at any given index, or a given range

  - Reverse the order of the list