## NPRGo65: Progamming in Python Practicals 11





## ASSIGNMENTS



- 1. Extend the Rectangle class (from the 7th practicals) to support the equality test and comparison based on the area of the rectangle
- 2. Extend the Matrix class (from the 7th practicals) to support the following operators:
  - add, multiply, equal,...
  - Implement operators for operations between ints and matrices

Programming in Python

## ASSIGNMENTS



- 3. Create a class representing a balanced binary tree (red-black, AVL, ...)
  - You can omit the "balanced" part and implement it later
  - Add operators or special methods at least for
    - Adding to the tree +
    - Converting to string
    - "Nicely" indented print
    - Iteration from the smallest element in the tree to the largest one
  - Use the tree in a program that loads numbers from a file (numbers are separated by a white space) and prints them out in the sorted order



The slides are licensed under Creative Commons Attribution-NonCommercial 4.0 International License

https://creativecommons.org/licenses/by-nc/4.0



Programming in Python