

09/12/2019

Master in Informatics and Computing Engineering
Programming Fundamentals
Instance: 2019/2020

Practical work #11 :: Week of 09/12/2019

Prerequisites

To do the practical work, the student should prepare himself beforehand:

1. Lecture (LE21), read and understand the relevant sections of the **class plan**:
 - Modules [Contents](#) & [Bibliography & Materials](#)
2. Lecture (LE22), read and understand the relevant sections of the **class plan**:
 - Program development [Contents](#) & [Bibliography & Materials](#)
3. Assignment of the week (RE11), read and understand the relevant sections of the **class plan** of previous lectures:
 - List algorithms (LE19) [Bibliography & Materials](#)
 - Analysis of algorithms (LE20) [Bibliography & Materials](#)
4. Assignment of the week (RE11), try the [easy] & [medium] exercises at **Play**

Tasks

1. Get the assignment of the week at **Test**
2. Start answering the exercises of the week assignment using **Spyder3**
3. Test your solutions to the exercises using **Test**
4. At the deadline, when the time expires, you are NOT allowed to make any more changes on your answers
5. **Test** will submit later, in Moodle, a zip with your checked answers and you can check your grade in the *gradebook*
6. Follow the ongoing projects

Materials

- **Bibliography**, available at [Plan > Contents](#)
- **Notebooks**, available at [FPRO's public repository](#)
- **Moodle**, available at [FPRO's activities](#)
- **Test**, available at [FPRO's App¹](#)
- **Play**, available at [FPRO's App²](#)
- **Project proposals**: [PROJ](#): optional projects

Summary

- Write Python3 code using the Divide and Conquer algorithmic strategy. Solving a problem using the three steps: break the given problem into sub-problems of same type, recursively solve these sub-problems, combine the answers. Binary search. Quicksort. Merge Sort.

— *FPRO, 2019/20*

[« Previous](#) | [Index](#) | [Next »](#)

1) , 2)

The VPN is needed outside FEUP's network

From:

<https://web.fe.up.pt/~jlopes/> - JCL

Permanent link:

<https://web.fe.up.pt/~jlopes/doku.php/teach/fpro/works/11?rev=1576228294>

Last update: **13/12/2019 09:11**

