RE01: 12/10/2020

Master in Informatics and Computing Engineering
Programming Fundamentals
Instance: 2020/2021

Practical work #1 :: Week of 12/10/2020

Prerequisites

The student should prepare himself beforehand, for the following:

- Lecture LE01 (Introduction): read the class plan and work with the Notebook 00 and Notebook 01
- Lecture LE02 (Simple Data): read the class plan and work with the Notebook 02
- Assignment of the week (RE01): read the relevant bibliography of LE01 (Introduction), go to the playground of the week (Py01) and try the easy exercises (1 star) and the medium exercises (2 stars) at Play

Tasks

1. If you're not in Linux, please reboot the class computer, choose "FEUP Ubuntu Linux" and login with your credentials
2. Init Anaconda using the command: /opt/anaconda/bin/conda init
3. Close the current Shell and open a new one
4. Start Anaconda graphical interface using the command: anaconda-navigator
5. You may need to add another channel to have Spyder and Jupyter
6. Get the assignment of the week at Test
7. Start answering the exercises of the week assignment using Spyder3
8. Test your solutions to the exercises using Test
9. At the deadline, when the time expires, you are NOT allowed to make any more changes on your answers
10. Test will submit later, in Moodle, a zip with your answers and you can check your grade in the gradebook

Materials

- Bibliography, available at Plan > Contents
- Notebooks, available at FPRO's public repository
- Moodle, available at FPRO's activities
- Test, available at FPRO's App

JCL - https://web.fe.up.pt/~jlopes/
• **Play**, available at [FPRO's App](#)
• Spyder | Docs, Editor — [Spyder3 documentation](#), available at [spyder-ide.org](#)
• U.Porto | Tecnologias Educativas, [Acesso ao Moodle](#), available at [elearning.up.pt](#)
• Anaconda, [Official documentation](#), available at [Distribution & Miniconda](#)
• Linux Foundation, [What is Linux?](#), available at [Linux.com](#)
• Linux Journal, [Linux Command Line Interface Introduction: A Guide to the Linux CLI](#), available at [linuxjournal.com](#)

**Summary**

• Using the classes' computers to write the first programs with Spyder3 IDE for Python, test the programs with the Test App, work with a Jupyter notebook and visit Moodle.

— *FPRO, 2020/21*

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1) Notice the change in the prompt to (base) 
2) Environments > Channel > "Spyder" > Update channels # adds "Jupyter Notebooks" as well, or vice-versa
3), 4), 5)

Needs VPN, when outside FEUP's network

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