

# 23/09/2019

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

---

## Practical work #1 :: Week of 23/09/2018

### Prerequisites

To do the practical work, the student should be prepared beforehand:

- for the lectures (LE01 & LE02), read and understand the relevant sections of the bibliography in ([Plan > Contents](#))
- for the lectures (LE01 & LE02), try the [easy] exercises at ([Play](#))<sup>1)</sup>
- for the assignment of the week (RE01), try the [medium] exercises 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<sup>2)</sup>
4. Start Anaconda graphical interface using the command: `anaconda-navigator`
5. You may need to add another channel to have Spyder and Jupyter<sup>3)</sup>
6. Get the assignment of the week at [Test App](#)<sup>4)</sup>
7. Start answering the exercises using Spyder3
8. Test your solutions to the exercises
9. When ready, **before the deadline**, submit the zip at [Moodle](#)<sup>5)</sup>

### Materials

- FPRO, *Unit plan*, available at [Plan > Index](#)
- Linux Foundation, *What is Linux?*, available at [Linux.com](#)
- Spyder | Docs, *Editor — Spyder3 documentation*, available at [spyder-ide.org](#)
- U.Porto | Tecnologias Educativas, *Acesso ao Moodle*, available at [elearning.up.pt/](#)
- FPRO, *Assignment for this week*, available at [Moodle](#)
- FPRO, *Landing page*, available at [FPROweb](#)<sup>6)</sup>
- Moodle, *Official App for Android*, available at [the Play Store](#)
- Anaconda, *Official documentation*, available at [Distribution & Miniconda](#)

## Summary

- Using the classes' computers to write the first programs with Spyder3 IDE for Python, test the programs with the Test App and submit the assignment in Moodle.

— *FPRO, 2019/20*

[Index](#) | [Next »](#)

1) , 4) , 6)

Needs VPN, when outside FEUP's network

2)

notice the change in the prompt to (base) .

3)

Environments > Channel > "Spyder" > Update channels # adds "Jupyter Notebooks" as well, or vice-versa

5)

You may submit more than once and only the last submission is considered

From:

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

Permanent link:

<https://web.fe.up.pt/~jlopes/doku.php/teach/fpro/works/01?rev=1571322989>

Last update: **17/10/2019 15:36**

