1. Assignment #1: Using Spyder in Linux

**Master in Informatics and Computing Engineering  
Programming Fundamentals  
Instance: 2018/2019**

# 0. Introduction

***Goals****: get to know the working environment: Linux shell, basic commands, Spyder3 and Moodle.*

***Pre-requirements (prior knowledge)****: know how to COPY & PASTE!*

***Rules****: You may work with colleagues, however, each student must write and submit in Moodle his or her this assignment separately. Be sure to indicate with whom you have worked. We may run tools to detect plagiarism (e.g.duplicate code submitted).*

***Deadline****: 8:00 Monday of the week after (01/10/2018)*

***Collaborators****:*

*list here their codes (2018nnnn1, 2018nnnn2, …)*

# 1. Login

Login into your Linux account and open a “Terminal” console.

In the *shell* prompt, type the command

whoami

and copy the result here:

*jlopes*

# 2. Working space

Create a directory to hold your practical work by typing the commands

cd ~; mkdir fpro

Go to the new directory, using the command

cd fpro

then execute the command

pwd

and copy the result here:

*/home/jlopes/fpro*

# 3. Hello World

Get the Python code hello.py from FPRO’s repository at GitHub (available online at <https://github.com/fpro-admin/recitas>) and save the file in your working space directory by using:

git clone https://github.com/fpro-admin/recitas.git

Then, execute the commands:

cd recitas/01; ls -l hello.py; python3 hello.py

and copy the results here:

*-rw-r--r-- 1 jlopes jlopes 546 ago 30 18:49 hello.py  
  
Hello!*

# 4. Spyder3

Execute the application Spyder3 using the command

spyder3 &

Inside Spyder, open the file hello.py, run the code and copy the result here:

*Hello!*

# 5. Output

Again using Spyder3, change the code hello.py to output “Hello up201800007” (where *up201800007* is your login), run the new code and copy the result here:

Hello jlopes!

**The end.**

*FPRO, 2018/19*