The purpose of this first lab is to get everyone familiar with Python 3, numpy libraries, Open AI gym and implement the basic RL algorithms.

1. Please use the following link (the gold standard in the field) to install the necessarily tools and implement each piece of code /example one by one, then let’s discuss !

<https://cs231n.github.io/python-numpy-tutorial/>

What tools should you use :

* + Try Jupyter Notebook instead of collab..
  + Try PyCharm for Python efficient debugging . You can even debug Jupyter Notebooks from PyCharm.

Get your time to understand the tools and how to debug. It will save you a lot of time further.

1. Move to the Lab1.zip archieve where you can find two notebooks, one that requires you to complete a set of tasks and another one containing the solutions of those task in case that you’re lost.

**How to debug properly?**

* Solution 1: Use prints and pdb debugging: check online resources on how to do this.
* Solution 2: Use PyCharm – it works on notebook files but better to copy paste the code in a plain py file and do it there.