

# Intro to Artificial Intelligence

## Assignment 1

### (Prerequisite Tutorials, Tools, and Configurations)

**Due: Next week section.**

This assignment is individual assignment, every student should complete it by himself.

#### Step 1: Python IDE installation

1. Download PyCharm Edu from the following link  
<https://www.jetbrains.com/pycharm-edu/>
2. Install PyCharm with Python **2.7**

*note: PyCharm Edu will download and install the Python interpreter during the installation process. However, it requires an internet connection. If you would like to install it later on other offline machines, it's recommend to download the Python 2.7 interpreter package from the following link:*

<https://www.python.org/downloads/>

#### Step 2: Python crash course

Python is a very simple language to learn if you have a C++ background, Skim one of the following tutorial to cover the basic programming notations in Python

- PyCharm Edu comes with a great active tutorial.
- Another PDF tutorial can be found here

<http://sallamah.weebly.com/uploads/6/9/3/5/6935631/pythontutorial2.7.10.pdf>

#### Step 3: Python task

Using Python create a Tree class which enable you to create a tree and add/delete nodes to this tree. Refer to the following link if you need help:

[http://cbio.ufs.ac.za/live\\_docs/nbn\\_tut/trees.html](http://cbio.ufs.ac.za/live_docs/nbn_tut/trees.html)