Introduction to Python
Collaborative environment of the lab

- According to our experience in previous labs, students can be divided in three groups: high performance, average performance and low performance. We are interested to move low performance students to the average performance level. Therefore, we have designed the lab as a collaborative lab. This means that students will be evaluated in groups of less than 12.
- We evaluate students based on the group performance.
- So what should you do?
I am a high performance student. What should I do?

You can help other group members in a respectful manner. Try to understand the problems in your group and help the team members to be able to perform well.
I am a average performance student. What should I do?

You have opportunity to get to high performance by looking at the group members who perform better than you. Ask questions and do not be shy. Follow the steps for each assignment in the lab and when you do not understand ask questions.
I am a low performance student. What should I do?

Watch other team members. Try to understand the steps to follow. When you encounter a problem, ask question. Do not be shy. If you do not perform well other team members get low mark because of you. So ask them how they do a task and follow.
Let's make a few groups

- Groups are between 10-12 members

- Try to be in a group of students that you do not know them. This is a good practice for your future career.
Prepare work environment

- Install python 3.6
- Install anaconda
- Install jupyter notebook
- Install pycharm
- Using servers (bluenose and hector)
- Some basics of python language
Install python

1- go to https://www.python.org

2- get the latest version
Deliverable of each group

1- all member be able to prepare the python environment (12 points)

2- all members be able to use servers(12 points)

3- all members be able to follow basic instructions in python (12 points)

4- all members be able to use google colab (12 points)

If a member is not able to achieve the objective of a task, one point will be deducted.

Bonus points will be given to active members of the group.