We will be using **ANACONDA** to run python code and the **GitHub Classroom** platform by GitHub. This makes it easier to follow the progress of each assignment, collect them and give feedback if necessary. Since not everyone might be comfortable with GitHub and its process, let's start with a gentle introduction.

1 Install ANACONDA 3 (mandatory)
To run python code we will use ANACONDA. Advantage of this python interpreter is that it is very simple to install and it comes with a very usefull tool called Jupyter Notebook. All exercises will be build based on this tool.

1. Go to https://www.anaconda.com/download
2. Download and install ANACONDA 3
3. Open ***install_anaconda.pdf*** and follow the instructions there.
4. Now you should be able to use Jupyter Notebook to open files.

2 What is GitHub?
From the Official Guide:

> *"GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere."*

GitHub essentially is Dropbox for code projects, but with change tracking and advanced collaboration tools.

3 Create an account on GitHub? (mandatory)
To begin with, you need a GitHub Account, which is easy to make if you don't have one. Just go to **GitHub.com** and sign up. ***At this point you can use your private email, but it might be better to use an institutional email, like your Uni-Konstanz mail***. This will be useful in later steps!

Video guide: Getting Started With GitHub, Part 1: Creating a GitHub Account

4 Apply for an Educational Discount! (optional)
We are going to be using private repositories, which are a "pro" feature in GitHub… but not if you sign up for a free Educational Discount!

Go here and press the "**Request a discount**" button. If you use your Uni-Konstanz account to sign up, then you already have an institutional email that will allow you to get the edu. pack in a few minutes… If not, you will need to add you Uni-Konstanz email to your account, validate it and then you can request the educational discount.
Don't worry about when they ask you why you want the educational discount, you can just write that it will be to follow a course and hand in assignments.

5 What is the workflow like with GitHub? (optional)
For an idea of how Git (the tool that is at the foundation of GitHub) and GitHub work, **follow this guide**. In Assignment 0 (which we will discuss in a second) you will essentially do similar steps, but you can view this video to get an idea about the concept of git!

Video guide: Getting Started with GitHub

6 Setting up GitHub Desktop (mandatory)
GitHub and Git work with the bash/console/terminal of you computer, so you can type in commands by hand… ***or use the graphical programming GitHub Desktop!***

Download it here!

Video guide: Getting Started With GitHub, Part 2: GitHub Desktop

7 Download course materials for monday (mandatory)
For each day we prepared a repository on GitHub where you will find the materials for the course. To avoid any problems with missing WiFi connections at the university, please make sure you have cloned (downloaded) the materials in beforehand.

1. *Open* ***install_github_desktop.pdf*** and follow the instructions there.
2. Link to repository on GitHub: https://github.com/KonstanzPythonSchool/day_01
3. Now you should have a directory called ***day_01*** which contains several files on your computer.

8 Join Assignment 0 (mandatory)
Follow this link:

https://classroom.github.com/a/9FdCJCQ7

and accept the assignment. You will have now a private repository with your username as ending. This is where you work!

Go ahead and do the following:

1. In GitHub Desktop (on your PC) go to "Clone repository…".
2. Under "UniKonstanz" you will find "assignment-0-<username>": go ahead and clone it on your computer.
3. Open the README.md file with Jupyter Notebook or with a text editor.
4. Follow the instructions there.
5. Push you changes to the repository and that's it!

Please take care of completing Assignment 0 in time and fully! It is important to know if you are able to execute the steps that you will need for every following assignment.

If you have problems please write an email.

Good work!