Exercise Day 1

The exercises today are only there for you get a feeling for PyCharm. So, take your time!

Tipp: You can find help with PyCharm under Options -> Help

Part 1: Getting to know the editor.

Exercise 1)

Get to know PyCharm and Anaconda.

- Create a python script and write a comment for which day of the course the script is
- Create a folder for the exercise of the first week.
- Save the script as Day*_1.py* into that folder.
- Save the script again into that folder with a different name.
- Get the script *python_bsp.py* from the Datenaustausch and save it in the folder for the first week.
- Look at *Project in PyCharm,* what do you see?
- What do you see in *Structure* in PyCharm?
- Run the script *python_bsp.py*.

Exercise 2)

Get the script *Fehlerspass.py* from the Datenaustausch and save the file in the folder for the first week. Look at the script in PyCharm.

Part 2: First steps in python

The following exercises are to be solved in *Day_1.py*.

Exercise 3)

Calculate and print the following:

- 3+4
- 4/2
- 3*3
- 3-4

Exercise 4)

Assign an arbitrary value to a variable.

Exercise 5)

Add 5 to the new variable of exercise 4) and store the result in a new variable.

Exercise 6)

Display the value of the variable from exercise 4) and exercise 5) once combined in a single command, and once separately. What difference do you observe?

Exercise 7)

Look at the *Structure* of your script.

Exercise 8)

Calculate and print the following:

- 3*4-5/6
- 4-8*(3/2)+9
- 5/2-3*(5-1)
- 3/(5*8-(4/2)*3)

Extra)

Create a script that converts Celsius to Fahrenheit and another script that converts Fahrenheit to Celsius.

If you finish early, you can assist other participants or read the first chapter of the book.