# Python Lab. 1.

In this lab, we'll experience the python programming language.

We will start from the most basic python program: "The hello world!".

```
Print( 'Hello World!' )
```

## Code and test
the following python programs:

1.

Print the system time of your computer in the format:
hh:mm:ss

Hint: Use datetime.
Complete the code below. The places where you need to fill in code are marked with #Fill in start and #Fill in end. Each place may require one or more lines of code.

```
from datetime import datetime
#Fill in start
#Fill in end
```

2.

Input a message from the keyboard and save the message together with a timestamp in a logfile: log.txt. Each time, you run the program will add a new line in the file. It could e.g., eventually contain these lines:

```
08:10:56 Breakfast
11:30:00 Lunch
15:30:07 Coffie
19:05:19 Dinner
```

3.

Give the user of the program from question 2 the possibility to enter the message as a command line argument when starting the program. If no argument is given, use the input method from question 2.

Hint:

Import sys

4.

Expand the program from question 3 so that after saving a new message (log), all the lines of the file are printed out to the shell window.

## What to put in the journal

The journal should contain all the code of the 4 programs, printouts of the programs and the content of the log file.