

Python Assignment

Explanation

Description

Develop your own small program using the waterfall model. At the end you should upload the following files:

- A pdf file with the documentation (at least a chapter for requirements (problem description), one for the Design and one for the verification (testing))
- A text file with the python source code of your program (this is the implementation)
- Additional data files if needed

Time Estimation

Task	Time [h]
Find an idea and describe the problem	4
Make a design	3
Implementation	3
Validation	2
Write the documentation	3
Total Time	15

Assessment

Description of content	Points
Documentation of the problem (not more than half a page)	3
Documentation of the design (not more than one page)	3
Documentation of the tests (not more than half a page)	3
More than 30 and less than 150 code lines (empty lines not counted)	2
At least one loop is used	2
At least one decision is used	2
Import at least one library	2
Use at least one array	2
Make at least one diagram	2
Read data from a file	2
Write at least one function with an interface	2
Total Points	25

Important Dates

- Online office hour: 03.01.2025; 09:00 – 10:00
 - Link (see also moodle in the Welcome section):
<https://tugraz.webex.com/tugraz/j.php?MTID=m918931bba66244f7a19823f2790ad065>
- Deadline for the assignment: 12.01.2025
- Deadline for Assessment: 09.02.2025

Any questions? Send me an email: hermann.schranzhofer@tugraz.at