

Exercise 02: Files and Functions

1. Write a program that reads the numeric values from `data1.txt` into a list and calculates the average of these numbers. The program should be structured into the following functions: `get_data`, `calc_mean`, `print_result`. Note the necessary data type conversion from `str` to `float`.
2. Extend your program with a function `ask_filename` which queries the name of the file from which the data should be loaded using the built-in function `input()`.
3. (Optional) Implement appropriate error handling using `try` and `except` (see [docs](#)). Motivation: Never trust user provided data, because it may be accidentally or willfully wrong.