python_how_to_write_a_good_function_workbook

September 18, 2020

1 PYTHON HOW TO WRITE A GOOD FUNCTION WORKBOOK

Have a go at the following questions to practice your new found skills.

If you have any questions, go back to the course videos and have another look. One version of the answers is available in the next download. Remember, there are different ways to write code to get the same answer, so your answer can be correct and different to the answer example!

If you feel stuck and want some in person help, then have a look at the events page to join in a workshop https://swamphen.co.uk/events.

1.1 These are the same questions as in the last workbook. I want you to re-visit your answers and think about the ways to make them great functions.

1.2 Add a comment to each function explaining what they do

```
In [1]: # write and test a function to change a string from upper to lower case
```

```
In [2]: # write and test a function to add 2 to a given number and print to screen
```

```
In [4]: # write and test a function to pick out even numbers from a list and print
```

```
In [5]: # write and test a function to pick out strings starting with a from a list
        # and save them to a new list
```

```
In [6]: # write and test a function to check if all elements in a list are floats,
        # if not change them to a float
        # create a new copy of the list which is all floats
        # the input list is a mixture of integers, floats, numbers and
        # Booleans as strings
```