

Exercise Day 3

Part 1: Date and Time

Exercise 1)

Save the current date and time as a variable.

Exercise 2)

Figure out, how to access and print the elements (year, month, day, hour, etc.) of the datetime.

Hints: PyCharm gives you some hints!

Part 2: String Manipulation

Exercise 3)

Save the zen of python as a block string.

*Hint: You can use the function **import this** to print the zen.*

Hint 2: It is possible to save the zen as a block string, but not with the known packages.

Exercises 4) to 13) are for the zen of python. Save every change in a separate variable and print it.

Exercise 4)

Delete all P in the variable.

Exercise 5)

Split the variable at every y.

Exercise 6)

Split the variable at every dot.

Exercise 7)

Replace every y with a Y.

For the following Exercises you can find the pdf String_Befehle in the Datenaustausch. For further questions go to the documentation.

Exercise 8)

Figure out at which index the word complex is in the variable.

Exercise 9)

Figure out how often the word “than” is used in the variable.

Exercise 10)

Replace every dot with a {}

- Figure out how often {} is inside the variable.
- Print the variable with a number in every {}.

Exercise 11)

How long is this variable?

Exercise 12)

How many whitespaces are inside the variable?

Exercise 13)

How long is the variable without the whitespaces and without the dots?

Exercise 14)

Save your name as a variable.

Exercises 15) to 18) are for your name as variable.

Exercise 15)

Delete every whitespace in the variable.

Exercise 16)

Change the format of the variable to the following:

- Only capital letters
- Only small letters
- Every first letter as capital, the rest small
- Every first letter as small, the rest capital

Exercise 17)

Add your age to your name.

Exercise 18)

Fill the variable from the beginning with three zeros.

Hint: Remember that a string is a list.

Afterward: Assist other participants (which will help you understand the content better) or read the book "Python 3 Crashkurs" or try out the other commands from the pdf String_Befehle.