Problem 1

Create the script **problem1.py**, which gets some arguments from user using the sys module and prints the name of the script, the number of arguments and the values of the arguments in the following format:

"Script name: problem1.py"
"Number of arguments: 3"
"Argument values: 1 "asd" True

Problem 2

Create the script **problem2.py,** which gets **age** as an optional argument and prints the text "Happy Birthday, you are already **X** years old!", using the value of the variable **age** instead of **X**.

Problem 3

Create the script **problem3.py,** which gets **text** as a positional argument and prints all-lowercase and all-uppercase versions of the **text** in the following format:

"The given string: **A sAmpLe stRING.**"
"All lowercase: **a sample string**."
"All uppercase: **A SAMPLE STRING**."

Problem 4

Create the script **problem4.py,** which gets 2 optional command line arguments **num_y** (the number of years) of type int and **num_d** (the number of years) of type int. Print current date and time + **num_y** + **num_d** (using the timedelta function), taking into consideration that both of the variables are optional and if one or both are not given by the user they shouldn't be included in the resulting sum. Example of the output:

"Current date: 2019-08-17 13:57:28.13050"
"Given years: 2"
"Given days: not given"

"Final date: 2021-08-17 13:57:28.13050"