CS Homework #13

Deadline: Saturday, January 18th, 9:00 pm. Save your code as lastname_homework13.py and submit on Edmodo. Please, run your code before submitting. If you get an error, try to fix it before submitting your homework. If you get help from anyone, please, make sure that you actually understand the solution.

Try to finish as many tasks as possible. Completing one task is better than not completing anything at all!

General
For all of the tasks below, you are asked to create a function AND test it; that is, show that it works

Task 1
Create a function that *prints* a product of two values

Task 2
Create a function that *returns* a product of two values

Task 3
Create a function that accepts two lists and returns a dictionary, with the first list being the keys and the second being the values. Use zip() for this task (see classwork code).

Task 4
Create a function that returns a/b. If b is zero, the function returns "NAN" string. If a or b are not valid numbers (integer or float) the function also returns "NAN".

Task 5
Create a function that asks the user to enter an integer and return that integer (not a string!). If a valid integer is not entered, the functions continues to ask for an integer. Unless the user types "quit" or "exit", in which case the function returns "NAN".

Task 6
Create a function that accepts any number of values and returns a list of those values

Task 7
Create a function that accepts any numbers of values and then returns a list of *unique* values in no particular order (that is, duplicates are removed). Hint: this task is easy if you recall the properties of different data structures and type conversion commands.

Task 8
Create a function that returns today's day of the month. For example, if it's January 15, 2020, the function returns 15. Hint: you may want to use some of the classwork code and convert the full date to a string to be able to "extract" the day of the month.