

Homework #15 Functions. Continued.

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

Tasks:

1. Write and test the function that takes any number of arguments and returns the sum and the average value of these arguments. To take any number of arguments use `*args` parameter.
2. Take your code for Task 4 from last homework assignment and rewrite it to set the default values for `a = 20` and `b = 4`.
3. Write a function that takes keyworded arguments (`**kwargs`) with name and age. The function should print out all the arguments in the following format:

Name is *age* years old.

Example: Misha is 24 years old

4. Create a function that asks the use to enter their first and last name (in one query). The function returns the initials: if I enter "John Doe", the function returns "JD".
Reminder: to separate the values entered by the user use `.split()` method.
"John Doe".`split()`
Out: ["John", "Doe"]
5. This task is somewhat similar to the previous but there are some important differences. Once again, create a function that asks the user for their first and last name. This time, the function creates a dictionary item with the key being the initials and the value being the first and last name. For example, if I enter "John Doe", the function creates "JD" key and "John Doe" value. Then this function adds this item to the dictionary that the user provides as an argument. That is, the function should look like this: `add_name(D)`, where `D` is the existing dictionary to which the item will be added.