

Python – Programming Assignment 7 – Advanced Option

Professor:

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Directions: Write a function that sorts a list of names without using the built in Python sorting functions (`sort()`, `.sorted()`). The names and the sorting information should be inputted by the user.

Specifications:

- NOTE - You can just use “brute force” sorting, but if you are interested you could look up some fun sorting algorithms. Brute force basically means doing a few loops and comparing every name.
 - The code should ask the user for a list of names that they enter one by one until they want to quit.
 - The code should ask the user whether they want to sort ascending, descending, or none.
 - The code should ask the user whether they want to sort by first or last name. (Optional add middle names or the ability to have more than one last name.)
 - The function should accept three parameters.
 - The first will be a list of names: First Last
 - The second parameter will be a string that can be one of the following values: `asc`, `desc`, and `none`. default should be `asc`.
 - * If the second parameter is “`asc`,” then the function should return a list in ascending order.
 - * If it’s “`desc`,” then the list should be in descending order, and
 - * If it’s “`none`,” it should return the original list unaltered.
 - * If it is some other string or number it should print an error and return the original list.
 - The third parameter will be “`first`” or “`last`” specifying if the names are sorted by first name or last name. The default should be `last`.
 - DONT USE THE `.sorted()` or `.sort()` command. Write your own function to do this!
 - Python can alphabetically compare strings so it knows that `Bongo < Sofia` is `True`.
 - Make sure to test your code for all the different options!
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