

[CS 11 25.1] Lab 1a – Full Names

Submit solution

My submissions

- ✔ **Points:** 120 (partial)
- 🕒 **Time limit:** 4.0s
- 📄 **Memory limit:** 1G

- **Problem type**
- ▼ **Allowed languages**
- NONE, py3

Cheatsheet is available here: <https://oj.dcs.upd.edu.ph/cs11cheatsheet/>

Problem Statement

My family's role for me is so important.

Inspired by JaNein's captivating speech, you would like to know the full names of the members of a given family.

Given the surname within a family, and the given names of its members, what are their corresponding full names?

A full name is obtained by joining the given name and the surname with a space in between.

Task Details

Your task is to implement a function called `full_names`. This function has two parameters:

- first, a `str` denoting the surname.
- second, a `tuple` of n `str`s denoting all the given names.

The function must return a `tuple` whose elements are `str`s. It must return the sequence of full names of the members, in the order they were given in the input.

Restrictions

Note that many names are banned. Here are a few of them: `sorted`, `zip`, `sum`, `print`, `input`, `min`, `max`, `list`, `sort`, `reverse`. This is not an exhaustive list.

The main idea is that you should implement the required functions yourself using conditionals, function composition, recursion, and basic operations.

- For this problem:
- Assignment is allowed.
 - Recursion is allowed.
 - Up to 6 function definitions are allowed.
 - Comprehensions are **disallowed**.
 - `range` is **disallowed**.
 - The `abs` symbol is now allowed.
 - The source code limit is 1000.

Example Calls

Example 1 Function Call

```
full_names('Addams', ('Gomez', 'Morticia', 'Wednesday', 'Pugsley'))
```

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Example 1 Return Value

```
('Gomez Addams', 'Morticia Addams', 'Wednesday Addams', 'Pugsley Addams')
```

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Constraints

- The function `full_names` will be called at most 50 times.
- $0 \leq n \leq 100$
- Each surname and given name is a nonempty string of at most 20 English letters.

Scoring

- Note:** New tests may be added and all submissions may be rejudged at a later time. (All future tests will satisfy the constraints.)
- You get 110 🧡 points if you solve all test cases where:
 - $n \geq 1$
 - You get 10 🧡 points if you solve all test cases.

🔍 Clarifications

No clarifications have been made at this time.

Report an issue