[CS 11] Prac 3f – Attendance

oj.dcs.upd.edu.ph/problem/cs11prac3f

Submit solution
My submissions
Points: 225 (partial)

Time limit: 4.0s

Memory limit: 1G

Author:
kvatienza (Kevin Atienza)
Problem type

Allowed languages

~~NONE~~, py3

Problem Statement

One of the things I learned is that encoding attendance sheets and figuring out who is present or absent every meeting is very annoying. Let's automate it!

Given the class list and the attendance list, determine who were present and who were absent.

Task Details

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

- `attended` — a `tuple` of `str`s denoting the people who attended today's class.
- `class_list` — a `tuple` of `str`s denoting the people who are enrolled in the class.

The function must return a *pair* of `tuple`s, each consisting of `str`s:

- The first `tuple` must contain the people who attended;
- The second `tuple` must contain the people who didn't attend.

Please return the elements in the order they appear in the class list.

Restrictions

For this problem:

- Recursion is **disallowed**.
- Additional functions are **disallowed**.
- Comprehensions are allowed.
- The `range`, `min`, `max`, and `sum` symbols are allowed.
- The source code limit is 500500.

Example Calls

Example 1 Function Call

Copy

```
attendance(
        ('dennis', 'jeremiah', 'eugene'),
        ('eugene', 'alfred', 'dennis', 'vincent'),
    )
```

Example 1 Return Value

Copy

```
(
    ('eugene', 'dennis'),
    ('alfred', 'vincent'),
)
```

Example 1 Explanation

Note that `jeremiah` attended the class but isn't in the class list.

Constraints

- The function `attendance` will be called at most 200200 times.
- The attendance list consists of distinct names.
- The class list consists of distinct names.
- The total length of all attendance lists is at most 100,000100,000.
- The total length of all class lists is at most 200,000200,000.

- Each name is nonempty and consists of up to 88 lowercase English letters.

Scoring

- You get 125125 ❤️ points if you solve all test cases where:
  - the attendance list is at most 2525 elements long.
  - the class list is at most 5050 elements long.
- You get 100100 💔 points if you solve all test cases.

Report an issue

Clarifications

No clarifications have been made at this time.