[CS 11] Prac 2a – First Letters

oj.dcs.upd.edu.ph/problem/cs11prac2a

Submit solution
My submissions
Points: 100 (partial)

Time limit: 4.0s

Memory limit: 1G

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Problem type

Allowed languages

~~NONE~~, py3

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

Problem Statement

Given a sequence of words, return the tuple consisting of the first letters of the words.

Task Details

Implement a function called `first_letters`:

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```
def first_letters(words):
```

- `words`—`tuple` of `str`s

Return a `tuple` of `str`s.

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. (If you accidentally use a variable name that turns out to be banned, please rename it.)

This lab session focuses on **comprehension**. Therefore, recursion is banned, as well as making additional functions. Solutions will generally be short and not need additional functions. However, `range()` is allowed.

For this problem:

- Up to 11 function definition is allowed.
- Recursion is **disallowed**. (The recursion limit has been greatly reduced.)
- Comprehensions are allowed.
- `range` is allowed.
- The source code limit is 500500.

Example Calls

Example 1 Function Call

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```
first_letters(('can', 'i', 'have', 'this', 'dance'))
```

Example 1 Return Value

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```
('c', 'i', 'h', 't', 'd')
```

Constraints

- The function `first_letters` will be called at most 1,0001,000 times.
- `words` will have at most 4040 elements.
- Each element of `words` is a nonempty string of between 11 and 88 lowercase letters.

Scoring

- You get 100100 ❤️ points if you solve all test cases.

Report an issue

Clarifications

No clarifications have been made at this time.