

[CS 11] Prac 5a – Last Letters

Problem Statement

Given a sequence of words, return a string consisting of the last letters of the words.

Task Details

Implement a function called `last_letters` :

```
def last_letters(words):
```

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- `words` — tuple of `str` s

Return a `str`.

Restrictions

Note that many names are banned. Here are a few of them: `zip`, `input`, `type`, `reversed`. This is not an exhaustive list. (If you accidentally use a variable name that turns out to be banned, please rename it.)

However, some names have been unbanned compared to previous lab sessions; see below.

This lab session focuses on **loops**. Therefore, recursion is banned, as well as making additional functions. Solutions will generally be short and not need additional functions.

For this problem:

- Loops and lists are allowed.
- Additional functions are **disallowed**.
- Recursion is **disallowed**. (The recursion limit has been greatly reduced.)
- Comprehensions are **disallowed**.
- The following names are now allowed: `range`, `list`, `print`, `append`, `pop`, `extend`, `remove`, `sort`, `insert`, `clear`, `reverse`.
- The source code limit is 350.

Example Calls

Example 1 Function Call

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

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Example 1 Return Value

```
'niese'
```

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Constraints

- The function `last_letters` will be called at most 50,000 times.
- The total length of `words` across all inputs will be at most 200,000.
- `words` will have at most 100,000 elements.
- Each element of `words` is a nonempty string of between 1 and 8 lowercase letters.

Scoring

- You get 80 ❤️ points if you solve all test cases where:
 - `words` will have at most 4,000 elements.
 - the total length of `words` across all inputs will be at most 8,000.
- You get 40 ❤️ points if you solve all test cases.

Clarifications

No clarifications have been made at this time.

Report an issue

Submit solution

[CS 11]

Practice 5 ❤️

My submissions

✔ **Points:** 120 (partial)

🕒 **Time limit:** 6.0s

📄 **Memory limit:** 1G

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➤ **Problem type**

✔ **Allowed languages**
NONE, py3