[CS 11] Prac 5m – Reverse Words

Problem Statement

Given a string, reverse the individual words in it.

Task Details

Implement a function called `reverse_words`:

```
def reverse_words(text):
```
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- `text` — `str`

Return a `str`.

Hint

- If `s` is a `str`, then `s.split()` returns a sequence of all "tokens" of `s` separated by whitespace.

Restrictions

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

```
reverse_words('loopang hinirang')
```
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Example 1 Return Value

```
'gnapool gnarinih'
```
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Constraints

- The function `reverse_words` will be called at most $50{,}000$ times.
- The total length of `text` across all inputs will be will be at most $200{,}000$.
- `text` is a nonempty string of at most $100{,}000$ lowercase letters or spaces.
- `text` will not contain leading or trailing spaces, or two consecutive spaces.
- Each word in `text` will be between 1 and 8 characters long.

Scoring

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

❓ Clarifications

Report an issue

No clarifications have been made at this time.

Submit solution

My submissions

✔ **Points:** 120 (partial)
🕐 **Time limit:** 6.0s
🗏 **Memory limit:** 1G

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❯ **Problem type**

❮ **Allowed languages**
  ~~NONE~~, py3