

# Problem 1816: Truncate Sentence

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 86.37%

**Paid Only:** No

**Tags:** Array, String

## Problem Description

A **sentence** is a list of words that are separated by a single space with no leading or trailing spaces. Each of the words consists of **only** uppercase and lowercase English letters (no punctuation).

\* For example, `"Hello World"`, `"HELLO"`, and `"hello world hello world"` are all sentences.

You are given a sentence `s`■■■■■■■`` and an integer `k`■■■■■■■``. You want to **truncate** `s`■■■■■■■`` such that it contains only the **first** `k`■■■■■■■`` words. Return `s`■■■■■_■■■`` after **truncating** it.

**Example 1:**

**Input:** `s = "Hello how are you Contestant"`, `k = 4` **Output:** `"Hello how are you"`

**Explanation:** The words in `s` are `["Hello", "how", "are", "you", "Contestant"]`. The first 4 words are `["Hello", "how", "are", "you"]`. Hence, you should return `"Hello how are you"`.

**Example 2:**

**Input:** `s = "What is the solution to this problem"`, `k = 4` **Output:** `"What is the solution"`

**Explanation:** The words in `s` are `["What", "is", "the", "solution", "to", "this", "problem"]`. The first 4 words are `["What", "is", "the", "solution"]`. Hence, you should return `"What is the solution"`.

**Example 3:**

**Input:** `s = "chopper is not a tanuki"`, `k = 5` **Output:** `"chopper is not a tanuki"`

**\*\*Constraints:\*\***

\* `1 <= s.length <= 500` \* `k` is in the range `[1, the number of words in s]`. \* `s` consist of only lowercase and uppercase English letters and spaces. \* The words in `s` are separated by a single space. \* There are no leading or trailing spaces.

## Code Snippets

### C++:

```
class Solution {
public:
    string truncateSentence(string s, int k) {

    }
};
```

### Java:

```
class Solution {
    public String truncateSentence(String s, int k) {

    }
}
```

### Python3:

```
class Solution:
    def truncateSentence(self, s: str, k: int) -> str:
```