Problem 2418: Sort the People

Problem Information

Difficulty: Easy
Acceptance Rate: 84.77%
Paid Only: No
Tags: Array, Hash Table, String, Sorting

Problem Description

You are given an array of strings `names`, and an array `heights` that consists of **distinct** positive integers. Both arrays are of length `n`.

For each index `i`, `names[i]` and `heights[i]` denote the name and height of the `ith` person.

Return `names` _sorted in**descending** order by the people's heights_.

Example 1:

Input: names = ["Mary","John","Emma"], heights = [180,165,170] **Output:** ["Mary","Emma","John"] **Explanation:** Mary is the tallest, followed by Emma and John.

Example 2:

Input: names = ["Alice","Bob","Bob"], heights = [155,185,150] **Output:** ["Bob","Alice","Bob"] **Explanation:** The first Bob is the tallest, followed by Alice and the second Bob.

Constraints:

* `n == names.length == heights.length` * `1 <= n <= 103` * `1 <= names[i].length <= 20` * `1 <= heights[i] <= 105` * `names[i]` consists of lower and upper case English letters. * All the values of `heights` are distinct.

Code Snippets

C++:

```
class Solution {
public:
vector<string> sortPeople(vector<string>& names, vector<int>& heights) {

}
};
```

Java:

```
class Solution {
public String[] sortPeople(String[] names, int[] heights) {

}
}
```

Python3:

```
class Solution:
def sortPeople(self, names: List[str], heights: List[int]) -> List[str]:
```