3450. Maximum Students on a Single Bench `Premium`   Solved ●

Easy   💡 Hint

You are given a 2D integer array of student data `students`, where `students[i] = [student_id, bench_id]` represents that student `student_id` is sitting on the bench `bench_id`.

Return the **maximum** number of *unique* students sitting on any single bench. If no students are present, return 0.

Note: A student can appear multiple times on the same bench in the input, but they should be counted only once per bench.

Example 1:

> **Input:** students = [[1,2],[2,2],[3,3],[1,3],[2,3]]
>
> **Output:** 3
>
> **Explanation:**
>
> - Bench 2 has two unique students: `[1, 2]`.
> - Bench 3 has three unique students: `[1, 2, 3]`.
> - The maximum number of unique students on a single bench is 3.

Example 2:

> **Input:** students = [[1,1],[2,1],[3,1],[4,2],[5,2]]
>
> **Output:** 3
>
> **Explanation:**
>
> - Bench 1 has three unique students: `[1, 2, 3]`.
> - Bench 2 has two unique students: `[4, 5]`.
> - The maximum number of unique students on a single bench is 3.

Example 3:

> **Input:** students = [[1,1],[1,1]]
>
> **Output:** 1
>
> **Explanation:**
>
> - The maximum number of unique students on a single bench is 1.

Example 4:

> **Input:** students = []
>
> **Output:** 0
>
> **Explanation:**
>
> - Since no students are present, the output is 0.

Constraints:

- `0 <= students.length <= 100`

- students[i] = [student_id, bench_id]

- 1 <= student_id <= 100

- 1 <= bench_id <= 100

Seen this question in a real interview before?   1/5

Yes   No

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Hint 1   ⌄

Discussion (2)   ⌄

- students[i] = [student_id, bench_id]

- 1 <= student_id <= 100

- 1 <= bench_id <= 100

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