

# Problem 3169: Count Days Without Meetings

## Problem Information

**Difficulty:** Medium

**Acceptance Rate:** 47.99%

**Paid Only:** No

**Tags:** Array, Sorting

## Problem Description

You are given a positive integer `days` representing the total number of days an employee is available for work (starting from day 1). You are also given a 2D array `meetings` of size `n` where, `meetings[i] = [start\_i, end\_i]` represents the starting and ending days of meeting `i` (inclusive).

Return the count of days when the employee is available for work but no meetings are scheduled.

**\*\*Note:\*\*** The meetings may overlap.

**\*\*Example 1:\*\***

**\*\*Input:\*\*** days = 10, meetings = [[5,7],[1,3],[9,10]]

**\*\*Output:\*\*** 2

**\*\*Explanation:\*\***

There is no meeting scheduled on the 4th and 8th days.

**\*\*Example 2:\*\***

**\*\*Input:\*\*** days = 5, meetings = [[2,4],[1,3]]

**\*\*Output:\*\*** 1

**\*\*Explanation:\*\***

There is no meeting scheduled on the 5th day.

**\*\*Example 3:\*\***

**\*\*Input:\*\*** days = 6, meetings = [[1,6]]

**\*\*Output:\*\*** 0

**\*\*Explanation:\*\***

Meetings are scheduled for all working days.

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

\* `1 <= days <= 109` \* `1 <= meetings.length <= 105` \* `meetings[i].length == 2` \* `1 <= meetings[i][0] <= meetings[i][1] <= days`

## Code Snippets

**C++:**

```
class Solution {
public:
    int countDays(int days, vector<vector<int>>& meetings) {
        }
    };
}
```

**Java:**

```
class Solution {
public int countDays(int days, int[][] meetings) {
        }
    };
}
```

**Python3:**

```
class Solution:  
    def countDays(self, days: int, meetings: List[List[int]])) -> int:
```