

# 1353. Maximum Number of Events That Can Be Attended

Medium

Topics

Companies

Hint

You are given an array of `events` where `events[i] = [startDayi, endDayi]`. Every event `i` starts at `startDayi` and ends at `endDayi`.

You can attend an event `i` at any day `d` where `startDayi ≤ d ≤ endDayi`. You can only attend one event at any time `d`.

Return the maximum number of events you can attend.

Greedy: attend as early as possible, prioritize the one with earlier endDate

Accepted 45 / 45 testcases passed

AndrewC275 submitted at Jul 07, 2025 08:41

Editorial

Solution

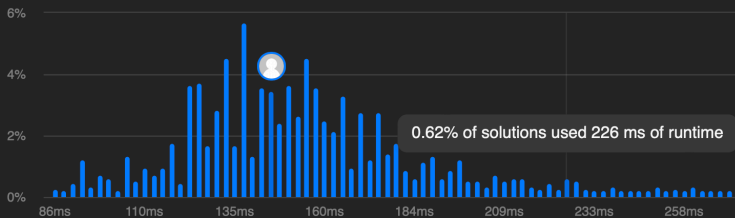
Runtime

145 ms | Beats 61.00%

Analyze Complexity

Memory

53.13 MB | Beats 84.59%



```
1 class Solution:
2     def maxEvents(self, events: List[List[int]]) -> int:
3         n = len(events)
4         max_days = max(e[1] for e in events)
5         events.sort()
6         q = []
7         res, j = 0, 0
8
9         for i in range(1, max_days + 1):
10             while j < n and events[j][0] <= i:
11                 heapq.heappush(q, events[j][1])
12                 j += 1
13             while q and q[0] < i:
14                 heapq.heappop(q)
15             if q:
16                 heapq.heappop(q)
17                 res += 1
18
19         return res
20
```