

**Day-35**  
**Python DSA**

**Aggressive Cows**

[https://www.naukri.com/code360/problems/aggressive-cows\\_1082559?leftPanelTabValue=PROBLEM](https://www.naukri.com/code360/problems/aggressive-cows_1082559?leftPanelTabValue=PROBLEM)

```
def can_place_cows(stalls,k,min_dist):
    count=1
    last_pos= stalls[0]

    for i in range(1,len(stalls)):
        if stalls[i] - last_pos >= min_dist:
            count +=1
            last_pos = stalls[i]
        if count==k:
            return True
    return False
```

```
def aggressiveCows(stalls, k):
    # Write your code here.
    stalls.sort()
    low=1
    high= stalls[-1] - stalls[0]
    result=0
    while low<=high:
        mid= (low+high)//2
        if can_place_cows(stalls,k,mid):
            result=mid
            low= mid+1
        else:
            high= mid-1
    return result
```

TC-  $O(n \log n)$

SC-  $O(1)$