

658. Find K Closest Elements

Medium

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Given a **sorted** integer array `arr`, two integers `k` and `x`, return the `k` closest integers to `x` in the array. The result should also be sorted in ascending order.

An integer `a` is closer to `x` than an integer `b` if:

- $|a - x| < |b - x|$, or
- $|a - x| == |b - x|$ and $a < b$

Example 1:

Input: `arr = [1,2,3,4,5], k = 4, x = 3`
Output: `[1,2,3,4]`

Example 2:

Input: `arr = [1,2,3,4,5], k = 4, x = -1`
Output: `[1,2,3,4]`

Constraints:

- $1 \leq k \leq arr.length$
- $1 \leq arr.length \leq 10^4$
- `arr` is sorted in **ascending** order.
- $-10^4 \leq arr[i], x \leq 10^4$

Seen this question in a real interview before? 1/4

☒ Yes ☐ No

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