Description | Editorial | Solutions | Submissions

973. K Closest Points to Origin

Attempted

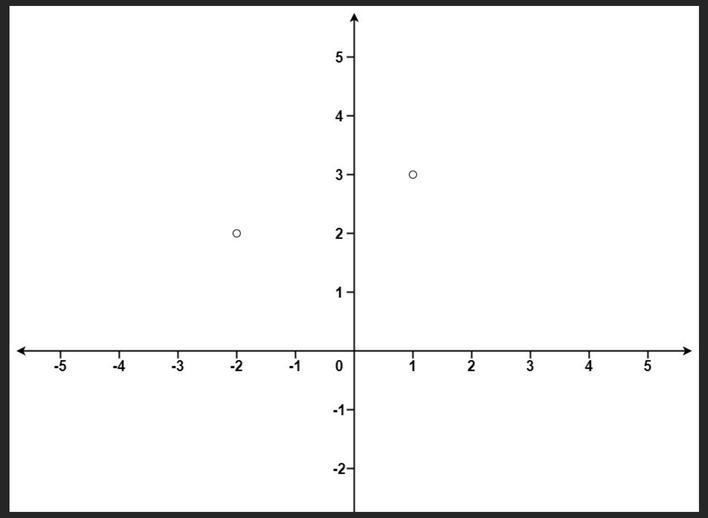
Medium | Topics | Companies

Given an array of `points` where `points[i] = [x_i, y_i]` represents a point on the **X-Y** plane and an integer `k`, return the `k` closest points to the origin `(0, 0)`.

The distance between two points on the **X-Y** plane is the Euclidean distance (i.e., $\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$).

You may return the answer in **any order**. The answer is **guaranteed** to be **unique** (except for the order that it is in).

Example 1:



8.6K | 53 | 94 Online

Code

Python3 | Auto

```python
class Solution:
    def kClosest(self, points: List[List[int]], k: int) -> List[List[int]]:
        val = []
        dist = []
        res = []
        mindistance =None
        for i in points:
            distance = (i[0]**2) + (i[1]**2)
            dist.append(distance)
            val.append(i)
        index =[]
        minval1 = 0
        for _ in range(k):
            minval1 = min(dist)
            min_index = dist.index(minval1)
            res.append(val[min_index])
```

Ln 19, Col 19 | Saved

Run | Submit

Testcase | Test Result

Accepted Runtime: 0 ms

• Case 1 • Case 2

Input

points =

[[1,3],[-2,2]]

k =