

Problem List

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DescriptionEditorialSolutionsSubmissions

613. Shortest Distance in a LinePremium

Solved

EasyTopics

SQL SchemaPandas Schema

Table: Point

Column Name	Type
x	int

In SQL, x is the primary key column for this table.  
Each row of this table indicates the position of a point on the X-axis.

Find the shortest distance between any two points from the Point table.

The result format is in the following example.

**Example 1:**

**Input:**  
Point table:

x
-1
0
2

**Output:**

shortest
1

**Explanation:** The shortest distance is between points -1 and 0 which is  $|(-1) - 0| = 1$ .

**Follow up:** How could you optimize your solution if the Point table is ordered in ascending order?

Seen this question in a real interview before? 1/5

YesNo

Accepted 70.9KSubmissions 88.4KAcceptance Rate 80.2%

Topics

Discussion (12)

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</> Code

MySQLAuto

```
1 # Write your MySQL query statement below
2
3 select MIN(NULLIF(ABS(P1.x - P2.x), 0)) shortest
4 from point P1, point P2
5
```

SavedLn 5, Col 1

TestcaseTest Result

AcceptedRuntime: 169 ms

Case 1

Input

Point =

x
-1
0
2

Output

shortest
----------

1