613. Shortest Distance in a Line `Premium`

Easy   🏷 Topics

SQL Schema >   Pandas 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

Yes   No

Accepted **75.4K** | Submissions **94.1K** | Acceptance Rate **80.1%**

🏷 Topics   ⌃

   Database

💬 Discussion (14)   ⌄