Weather Observation Station 19

locked

Problem Submissions Leaderboard Discussions

Consider $P_1(a, c)$ and $P_2(b, d)$ to be two points on a 2D plane where (a, b) are the respective minimum and maximum values of *Northern Latitude* (*LAT_N*) and (c, d) are the respective minimum and maximum values of *Western Longitude* (*LONG_W*) in STATION.

Query the Euclidean Distance between points P_1 and P_2 and *format your answer* to display 4 decimal digits.

Input Format

The STATION table is described as follows:

STATION

Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

where *LAT_N* is the northern latitude and *LONG_W* is the western longitude.

Submissions: 18
Max Score: 30
Difficulty: Medium

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MySQL

```
/*
SELECT @P1a := MIN(LAT_N) FROM station;
SELECT @P1b := MAX(LAT_N) FROM station;
SELECT @P2c := MIN(LONG_W) FROM station;
SELECT @P2d := MAX(LONG_W) FROM station;
```

```
6
7  SET @Euc = SQRT(POW((@P1a-@P1b),2)+POW((@P2c-@P2d),2));
8  SELECT ROUND(@Euc, 4);
9
10 */
11
12 SELECT ROUND(SQRT(POW(MIN(LAT_N)-MAX(LAT_N),2)+POW(MIN(LONG_W)-MAX(LONG_W),2)),4) FROM station;
```

Line: 9 Col: 1

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