Weather Observation Station 5

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Answer :-

```
SELECT *
FROM
    (SELECT CITY, LENGTH(CITY)
    FROM STATION
    ORDER BY LENGTH(CITY), CITY)
WHERE ROWNUM = 1
UNION
SELECT *
FROM
    (SELECT CITY, LENGTH(CITY)
    FROM STATION
    ORDER BY LENGTH(CITY) DESC, CITY)
WHERE ROWNUM = 1;
```

Query the two cities in **STATION** with the shortest and longest *CITY* names, as well as their respective lengths (i.e.: number of characters in the name). If there is more than one smallest or largest city, choose the one that comes first when ordered alphabetically.

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.

Sample Input

Let's say that *CITY* only has four entries: *DEF*, *ABC*, *PQRS* and *WXY*

Sample Output

```
ABC 3
PQRS 4
```

Explanation

When ordered alphabetically, the *CITY* names are listed as *ABC, DEF, PQRS,* and *WXY*, with the respective

lengths 3, 3, 4, and 3. The longest-named city is obviously *PQRS*, but there are 3 options for shortest-named city; we choose *ABC*, because it comes first alphabetically.

Note

You can write two separate queries to get the desired output. It need not be a single query.