



Experiment 2.1

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Section/Group: 1/B

Semester: I

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Subject Name: ADBMS

Subject Code: 22CAP-647

1) Task to be done:

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.

The STATION table is described as follows:

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

Sample Input

For example, CITY has four entries: DEF, ABC, PQRS and WXY.

Sample Output

ABC 3

PQRS 4

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



Query :

```
(SELECT CITY, LENGTH(CITY) FROM STATION  
  
ORDER BY LENGTH (CITY) DESC LIMIT 1)  
  
UNION  
  
(SELECT CITY, LENGTH (CITY) FROM STATION  
  
ORDER BY LENGTH (CITY) ASC, CITY ASC LIMIT 1)
```

Output

```
+-----+-----+  
| CITY   | LENGTH(CITY) |  
+-----+-----+  
| Kanpur |             6 |  
| Rome   |             4 |  
+-----+-----+
```

2 rows in set (0.00 sec)

2) Learning outcomes (What I have learnt):

- i) Learn about Aggregate function**
- ii) Learn about group by clause**
- iii) Learn about having clause with aggregate functions**

Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Demonstration and Performance (Quiz)		22
2.	Worksheet		8



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