**Experiment 2.1**

**Student Name:   Gaurav Kumar                                UID: 22MCC20177**

**Branch:   CC-DevOps                                                        Section/Group: 1/B**

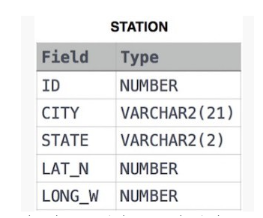
**Semester:   I                                                               Date of Performance: 17/10/2022**

**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**

**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)**

1. **Learning outcomes (What I have learnt):** 
   * 1. **Learn about Aggregate function**
     2. **Learn about group by clause**
     3. **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 |