Experiment No. 2.1

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Subject : APBMS Lab

Subject Code : 22CAP - 647

1. Aim of practical:

Query the two cities in Station with the shortest and largest City names, as well as their respective lengths. If there is more than one smallest is largest City, choose the one that comes first when ordered alphabetically.

Station

Field	Type
ID	Number
City	Varchar (21)
State	Varchar (21)
Lat_N	Number
Long_W	Number

where LAT_W is northern latitude and Long-W is the western longitude.

2. Code for Table :

create table Station (ID int, City varchar (21), State varchar (21), LAT_N int, LONG_W int);

insert into Station values (1001, "Chandigarh", "Punjab", 30.7333, 35.6987);
insert into Station values (1002, "Dhanusa", "UP", 32.0083, 38.6987);
insert into Station values (1003, "Sarkaghat", "HP", 27.7453, 30.4567);
insert into Station values (1004, "Mandla", "MP", 34.8233, 35.1127);
insert into Station values (1005, "Mumbai", "Maharashtra", 39.6008, 29.7554);

3. Query:

Select Station. City, Min (Length (City)) As Shortest City
From Station
Order by city asc
Limit 1;

Select Station. City, Max (Length (City)) As Longest City
From Station
Order by City asc
Limit 1;

4. Created Table

ID	City	State	LAT_W	LONG_W
1001	Chandigarh	Punjab	30.7333	35.6987
1002	Dhanusa	UP	32.0083	38.6987
1003	Sarkaghat	HP	22.7453	30.4567
1004	Mandla	MP	34.8233	35.1172
1005	Mumbai	Maharashtra	39.6008	29.7554

5. Output

City	Shortest City
Mandla	6

City	LongestCity
Chandigash	10