**Problem set 03**

**QUERIES:**

1. Query the following two values from the STATION table: o The sum of all values in LAT\_N rounded to a scale of 2 decimal places. o The sum of all values in LONG\_W rounded to a scale of 2 decimal places.
2. Query the sum of Northern Latitudes (LAT\_N) from STATION having values greater than 38.7880 and less than 137.2345. Truncate your answer to 4 decimal places.
3. Query the greatest value of the Northern Latitudes (LAT\_N) from STATION that is less than 137.2345. Truncate your answer to 4 decimal places.
4. Query the Western Longitude (LONG\_W) for the largest Northern Latitude (LAT\_N) in STATION that is less than 137.2345 . Round your answer to 4 decimal places.
5. Query the smallest Northern Latitude (LAT\_N) from STATION that is greater than 38.7880 . Round your answer to 4 decimal places.
6. Query the Western Longitude (LONG\_W)where the smallest Northern Latitude (LAT\_N) in STATION is greater than 38.7880 . Round your answer to 4 decimal places.
7. Consider P1(a,b) and P2(c,d) to be two points on a 2D plane. • a happens to equal the minimum value in Northern Latitude (LAT\_N in STATION). • b happens to equal the minimum value in Western Longitude (LONG\_W in STATION). • c happens to equal the maximum value in Northern Latitude (LAT\_N in STATION). • d happens to equal the maximum value in Western Longitude (LONG\_W in STATION). Query the Manhattan Distance between points P1 and P2 and round it to a scale of 4 decimal places.
8. Consider P1(a,c) and P2(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 P1 and P2 and format your answer to display 4 decimal digits.