1. 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.

Solution - select Truncate(max(LAT\_N),4) from station where LAT\_N<137.2345;

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2) 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.

Solution - Select round(LONG\_W,4) from STATION WHERE LAT\_N = (select MAX(LAT\_N) from station where LAT\_N<137.2345);

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3)Query the smallest Northern Latitude (LAT\_N) from **STATION** that is greater than 38.7780 . Round your answer to  4 decimal places.

Solution - Select round(Min(LAT\_N),4) from station where LAT\_N>38.7780;

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4) Query the Western Longitude (LONG\_W)where the smallest Northern Latitude (LAT\_N) in **STATION** is greater than 38.7780 . Round your answer to   4 decimal places.

Solution - select round(LONG\_W,4) from station where LAT\_N=(select min(LAT\_N) from station where LAT\_N>38.7780);

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5) A [*median*](https://en.wikipedia.org/wiki/Median) is defined as a number separating the higher half of a data set from the lower half. Query the median of the Northern Latitudes (LAT\_N) from **STATION** and round your answer to  4 decimal places

Solution - select round(LAT\_N,4) from (select LAT\_N from station ORDER BY 1 asc LIMIT 250) s ORDER BY 1 DESC LIMIT 1

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6)